## Town of Mesilla, New Mexico

#### \*\*FOR THE HEALTH & SAFETY OF ALL PUBLIC, MASKS ARE REQUIRED TO ENTER THE PUBLIC MEETING\*\*

THE BOARD OF TRUSTEES (BOT) OF THE TOWN OF MESILLA WILL HOLD A <u>REGULAR MEETING</u> ON MONDAY, FEBRUARY 14, 2022, AT 6:00 P.M., AT THE MESILLA TOWN HALL, 2231 AVENIDA DE MESILLA.

- 1. PLEDGE OF ALLEGIANCE
- 2. ROLL CALL & DETERMINATION OF A QUORUM
- 3. CHANGES TO THE AGENDA & APPROVAL
- 4. PUBLIC INPUT The public is invited to address the Board for up to 3 minutes.

  Space is limited and may require persons giving public input IN PERSON to rotate if capacity of the room is exceeded.
- 5. APPROVAL OF CONSENT AGENDA: (The Board will be asked to approve by one motion the following items of recurring or routine business. The Consent Agenda is marked with an asterisk \*)
  - a) \*PZHAC Case #061319 2687 Calle de Parian, submitted by William McIlvaine, for the construction of a concrete block and stucco wall with 12" footing and repair 200 feet long and 5 ft tall as well as request to add wood on west side of house. Zoned: Historic Residential (HR).
  - b) \*PZHAC CASE #061326- 2316 Calle de Colon, submitted by Patricia Martinez, installation of Solar PV System. Zoned: Historical Residential (HR)
  - c) \*PZHAC CASE #061327- 1805 Avenida de Mesilla, submitted by Poulos & Coates Properties, LLC, remodel existing restrooms and add a dividing wall for office. Zoned: Commercial (C)
  - d) \*PZHAC CASE #061329- 2000 Calle de Parian, submitted by Julienne Hadfield, paint building same historically approved color. Zoned: Historical Commercial (HC)
  - e) \*PZHAC CASE #061330-2060 Calle de Parian, submitted by Julienne Hadfield, fill in concrete space (5'x3') at doorway. Zoned: Historical Commercial (HC)
  - f) \*PZHAC CASE #061331- 1922 Calle de Cura, submitted by Nia Rucker, replace damaged concrete and stucco around dwelling. Zoned: Historical Residential (HC)
  - g) \*PZHAC CASE #061332- 1745 Calle de Mercado, submitted by Dr. Saul Burciaga, construction of doctor's office w/ conditions. Zoned: Commercial (C).
  - h) \*PZHAC CASE #061334- 2261 Calle de Guadalupe, submitted by Bob Hamilton & Kathleen Foreman, addition of wrought iron gate in front of existing wooden gate. Zoned: Historical Commercial (HC)
  - i) \*PZHAC CASE #061335- 2261 Calle de Guadalupe, submitted by Bob Hamilton & Kathleen Foreman, modify existing coyote fence. Zoned: Historical Commercial (HC)
  - j) \*PZHAC CASE #061339- 1680 Calle de Alvarez Ste C, submitted by Chris Schaefer, additional artwork. Zoned: Commercial (C)
- 6. **CLOSED SESSION** pursuant to NMSA 1978 Chapter 10-15-1(H)(2): discussion limited to the hiring of personnel for the Public Works Department, Community Development Department, and the Finance Department. **Board of Trustees.**
- 7. STATEMENT REGARDING CLOSED SESSION AND ROLL CALL VOTE discussion limited to the hiring of personnel for the Public Works Department, Community Development Department, and the Finance Department pursuant to NMSA 1978 Chapter 10-15-1(H)(2). Board of Trustees.
- **8. ACTION ON MATTERS FROM CLOSED SESSION** the hiring of personnel for the Public Works Department, Community Development Department, and the Finance Department pursuant to NMSA 1978 Chapter 10-15-1(H)(2). **Board of Trustees**.
- 9. NEW BUSINESS:
  - a) *For Approval*: authority to enter into a contract with BHI for design services for the University Waterline Replacement Project (Colonias). Rod McGillivray

- b) *For Approval*: Resolution No. 2022-01 approving submission of the completed Colonias Application to the Authority for its consideration and review is required as part of the Application process. **Rod McGillivray**
- c) For Approval: Addition of Mayor Pro Tem Johnson-Burick and the removal of Cynthia Stoehner-Hernandez and Lucas Carlos Arzabal to First American Bank Signature Cards. Mayor Barraza

#### 10. \*STAFF REPORTS:

Community Development Community Programs Finance Department Fire Department Marshal Department Public Works Department

- 11. BOARD OF TRUSTEE COMMITTEE REPORTS
- 12. BOARD OF TRUSTEE/STAFF COMMENTS
- 13. ADJOURNMENT

#### NOTICE

If you need an accommodation for a disability to enable you to fully participate in the hearing or meeting, please contact us at 524-3262 at least one week prior to the meeting. The Mayor and Trustees request that all cell phones be turned off or set to vibrate. Members of the audience are requested to step outside the Board Room to respond to or to conduct a phone conversation. A copy of the agenda packet can be found online at <a href="https://www.mesillanm.gov">www.mesillanm.gov</a>.

Posted 02.11.2022 online and at the following locations: Town Clerk's Office 2231 Avenida de Mesilla, Public Safety Building 2670 Calle de Parian, Mesilla Community Center 2251 Calle de Santiago, Shorty's Food Mart 2290 Avenida de Mesilla, Ristramnn Chile Co., 2531 Avenida de Mesilla and the U.S. Post Office 2253 Calle de Parian.

TOWN OF MESILLA CONTROL Case # CO / 3/19 Case # CO / 3/19 Fee \$ PERMISSION TO CONDUCT WORK

OR
MERCIAL/RESIDENCE

### OR OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

	2231 Avenida de	Mesilia, P.O. Box 10, Me	silla, NW 66040 (575)	324-3202 GALI 104
CASE	NOZ	ONE:CODE	:AF	PPLICATION DATE:
WILLIA	tm MCILVAIN	18_	310 990	
Name of Pi	roperty Owner			s Telephone Number
PO B	6X 360	MESILLA	NW	
Property O	wner's Mailing Address ハム ( しいんへい に	City @MMZ,COM	State	Zip Code
Property O	wner's E-mail Address	DECARNE		
Contractor	's Name & Address (If no	DSCAPN9 ne, indicate Self) 3671	31	364631
	's Telephone Number		Tax ID Number	Contractor's License Number
Address of	f Proposed Work: 26	87 CALLE DE	PARIAN, ME	37.4.4
Description	n of Proposed Work	WSTRUCT CONCR	LETE BIOCK +	STUCCO WALL (COTOL TO FEET LONG, 5 REET TALL
MATCH	HOUSE) WIA	1 12" FOOTING +	- REPAR, 200	FREE LONG 5 REET TALL
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	50.00 64	GMCL While		10 JAN 2021
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Estimater	of property owner: $\underline{\mathcal{W}}$	Amelline		
Signature	of property owner: VV	Priecovina		The state D7UAC and/or DO
With the e before iss	exception of administration uance of a zoning permit	ve approvals, all permit req Plan sheets are to be no	uests must undergo a re larger than 11 x 17 inche	eview process from staff, PZHAC and/or BO s or shaff be submitted electronically.
		FOR OFFI	CIAL USE ONLY	
PZHAC	☐ Administrat	tive Approval	BOT	☐ Approved Date:
	☐ Approved [	Date:	<b>-</b>	☐ Disapproved Date:
	☐ Disapprove	ed Date:	_	☐ Approved with Conditions
	□ Approved v	with conditions		
PZHAC A	PPROVAL REQUIRED:	YES NO BO	OT APPROVAL REQUIR	RED:YESNO
CID PERM	WIT/INSPECTION REQU	RED: YESN	SEE CONDITI	ONS
CONDITIO	ONS:			
			•	ISSUE DATE:
PERMISS	ION ISSUED/DENIED	BY:		ISSUE DATE:
THIS APPL	ICATION SHALL INCLU	DE ALL OF THE FOLLOWIN	NG:	to the second business and a cottooles
V	erification shall show th	at the lot was <b>LEGALLY</b>	tructures, adjoining stre subdivided through the	ets, driveway(s), improvements & setbacks Town of Mesilla or that the lot has been i
e	xistence prior to February ite Plan with dimensions	and details		
F	oundation plan with detail	is. their uses and dimensions.		
	loor plan snowing rooms, ross section of wall <b>s</b>	men dese and annerestone.		
	loof and floor framing plan	1		
P	roof of legal access to the	e property.		
	etaile of architectural styl	e and color scheme (checkl	ist Included for Historical	zones) - diagrams and elevations.
. Р	roof of sewer service oublic Utility providing wat	or a copy of septic tank	permit; proof of water	service (well permit or statement from th
	roof of legal access to the	property.		
	ul Information no nonco	nam or required by the City	Code or Community De	velopment Department (See other side.)

The following are requirements to be included with all building permit applications for new structures or additions to existing structures, as well as other construction or fixtures that will be permanent in nature and affect the appearance or use of the property. (This includes fences, well houses, storage units, metal sheds, photo-voltaic panels that can be seen from the ground, etc.)

#### **BUILDING PERMIT REQUIREMENTS**

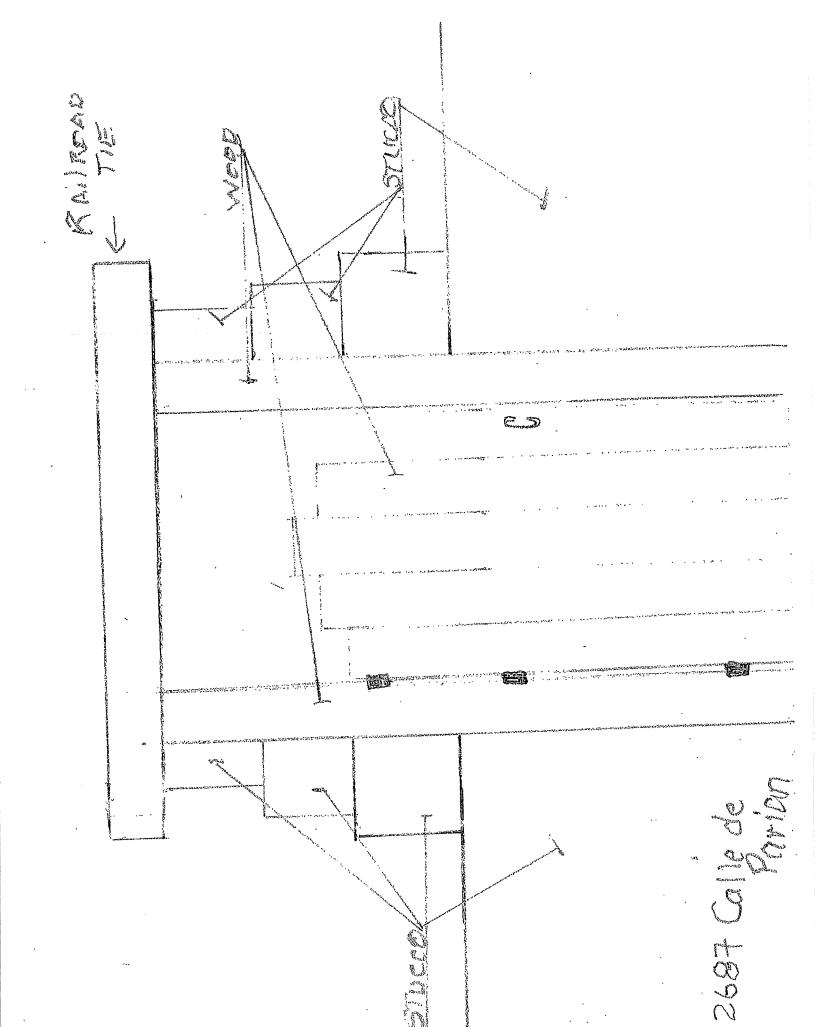
A.	Completed	application,	including
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- 1. Applicant's name
- 2. Applicant/property owners contact information
- 3. Physical address of property
- 4. Description of work to be done, including dimensions of any construction or repairs

B. Include all information required in the checklist at the bottom of the application.

- 5. Value of work to be done
- 6. Property owner's signature on the application

c.	Additional information required:



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## Doña Ana County, MM General Reference Maps

2014 Aerial Addresses

County Address Points

Select Search Type: Account Number ▼ Enter

Maps

Legend

#### **Map Themes**

Parcels

**UDC** Zoning

Roads and Transportation

**NM House Districts NM Senate Districts** County Commission Districts

City Council Districts

Median Household Income General Land Ownership

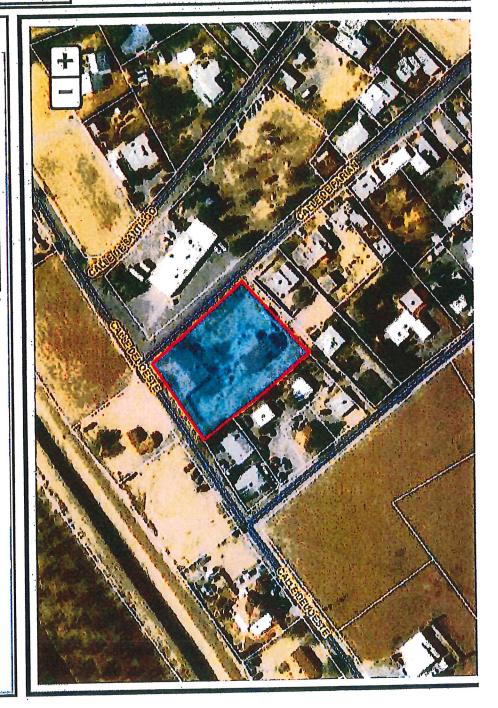
Account Number: R0400441 Parcel Number: 4006138096083 Owner: MCILVAINE WILLIAM Mail Address: 7101 NORTH MESA

#370. Subdivision:

Property Address: 2685 CALLE DE

PARIAN #2

Acres: 0.93000001



DocuSign Envelope ID: 23C26212-A993-4102-9370-9306E2141A45

#### TOWN OF MESILLA

OFFICIAL USE ONLY: Case # 06 / 32 Fee.\$

ZONING APPROVAL

PERMISSION TO CONDUCT WORK

OR

OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT

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18 STATE	Mul	ti- Purpose State Bu	ilding Application			G
State of New Mexic		Regulation and Licensing		Constr	uction Industries Divi	11
Santa Fe	2550 Cerrillos Rd	Santa Fe,	NM 87505 PI	none: (505)	476 - 4700 Fax:	(505) 476 - 4685
Albuquerque	5500 San Antonio		que, NM 87109		222 - 9800	(505) 765 - 5670 (575) 524 - 6319
Las Cruces	505 S. Main St. St	te. 103 Las Cruce	es, NM 88004		524 - 6320	
Building Permit (Commercial Includes elec	trical/mechanical/plumbing r	eviews) Resident		Pre-Bld		view Only
	n/Repairs/Demolition	Additions	Foundation only	Reroof	Electrical Re	1
wood metal frame ma	sonry adobe	rammed earth me	etal structure   other	PV Sol	dr Mechanical/	Plumbing Review
Description of work: Installation of (	Roof Mounted/Ground M	fount) Solar PV System (17 p	panels, 1 inverter/s) - 9,85	5kW		
bescription of work.						
THE FOLLOWING INFORMATION MU	ST BE PROVIDED					
2316 Calle De Colon		Las Cri			88005 .	Dona Ana
Physical Address of Job site (must provide a physical	sical address)	Nearest	City/Town/Village		Zip Code	County
GPS Coordinates		V 0				
optional X Coordinate		Y Coordinate				
MUST provide written Directions Head northwest on Avenida de Mesilla tow	ard Calle De Colon. Tu	ırn left onto Calle De Color	n. Destination on the righ	nt.		
Head northwest on Avenida de Mesilla tow	ard Galle De Golon, Te	ATT TOTA OTHER OWNER.				
					-: · -: ·	
Property Owner or Homeowner Inform	nation.				1	
Patricia		Martinez			arenita01@	msn.com
First Name		Last Name		7	E-mail address:	
2316 Calle De Colon		Las Cruces	NM	88005	(575) 640-156	1
Address No. & Street / PO Box / Rural F	Route	City	State	Zip Code	Phone	
Contractor Information (must provide	proof of contract):				24 0000	
Solcius LLC					21-GB98 te License # and clas	sification
Company Name		All	NIM	,	te License # and clas mits@solcius.com	
5901 Pan American FWY NE STE	D1	Albuquerque	NM State		Address:	
Address No. & Street / PO Box / Rural I	Route	City	844-357-22		ladi ooo.	
Russell Peters (Name)			Phone	00	Fax	
Contact Information (Name)						
Design Professional Information: Solcius LLC				39662	21	
Company Name					te License #	
5901 Pan American FWY NE STE	D1	Albuquerque	NM	0		
Address No. & Street / PO Box / Rural	Route	City	State			
Joseph Schindler	_	844-357-2258		s@solcius.cor	n ,	
Contact Information (Name)		Phone	E-mail addres			
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Square Footage; 529.43			Performa			Not Applicatable
Valuation / Sign Contract: \$54,202.0	0	Fire Sprinklers A			e Apply Y / N	
APPLICANT MUST READ AND SIGN	THE FOLLOWING: I	hereby acknowledge by	my signature below the	at I have read	this application and s	tate
that the above is correct. I agree to corpossess a search warrant before they	nply with the requirem	nents for the New Mexico	Bullding Code. Twalv	e my ngni to re wever I waive	this right only on the	O .
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	or the work of huilding	a or etructure on the prer	nises complies with the	ivew iviexico i	Bullaina Code.	
I understand that the issuance of this p	ermit shall not prever	nt the Construction Indust	tries Division from requ	iring compliand	ce with the provisions	
to be be a Dullaling Code					11/30/202	
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FLOOD PLAIN APPROVED BY:					Dat	e:
	Signature				Dat	
GENERAL BUILDING APPROVED BY:	Signature				Dat	e:
LIDOUING APPROVED BY	olynature					
UPC/UMC APPROVED BY:	Signature				Dat	e;
NEC APPROVED BY:						
1120/11/10/12/10	Signature				, Dat	e:

From: Adam Holderness

Sent: Tuesday, November 30, 2021 10:58 AM

To: Cynthia Stoehner-Hernandez

Subject: Re: Town of Mesilla Solar Panel Permitting'Application

Thank you so much Cynthia! I hope you had a wonderful Thanksgiving!

On Tue, Nov 30, 2021 at 10:51 AM Cynthia Stoehner-Hernandez < cynthias-h@mesillanm.gov > wrote:



IRONSCALES couldn't recognize this email as this is the first time you received an email from this sender cynthias-h@mesillanm.gov.

Good morning, Adam:

Attached is our permit application for you to fill out. Because it is located within the Historic Residential zone, all solar panels must be screened, architecturally integrated or not visible from the street.

We will need the following items for the solar panels to be installed at 2316 Calle de Colon:

PDF plans (11x17) that consist of physical address of the property and:

- Manufacturer's specifications and installation instructions for mounting systems and attachment hardware for the system to be used.
- o MFR installation instructions along with design whether from the manufacturer or NM licensed engineer shall be submitted with permit request application.
- o the design has to meet the CFR 3280 construction safety standards and be referenced in the documents.
- Roof framing calculation and details plan: Provide an existing roof framing plan shows the slope, member size, grade and spans of all roofing members where array is to be

mounted.

• Fasteners: Indicate the location, type, grade, length, and pullout strength of fasteners proposed to secure the array to the roof structure.

• Elevations: For any installation that will not be flush with the roof, a simple building elevation showing the location of the array(s) with relation the roof system, the overall

height of the building and the height of the array.

- Screening/architecturally integration: demonstrate how the panels will be screened/integrated into the roof so as not to be visible from the street.
- Penetrations: Show location of all penetrations of the building envelope and the proposed means to weatherproof those penetrations. Penetrations being any hole made

in the exterior of the building through which piping or electrical conduit passes.

- Uplift: A registered design professional should incorporate an uplift calculation indicating how they plan to ensure the home will not be displaced during a storm.
- Engineering with Calculations: The weight of the complete system, including all of the working fluid in thermal systems, the weight of the complete system per square foot, and

the concentrated load at each mounting location.

• Letterhead from a Licensed Engineer letter verifying that the existing roof structure is adequate for the increased loads from the proposed array(s). The letter will also need to include the engineer's signature and stamp.

The application must be reviewed and approved by both Planning & Zoning and the Board of Trustees prior to pulling the permit from Construction Industries Division.

If you have any questions, please let me know.

Thank you,

Cynthia Stoehner-Hernandez
Clerk/Treasurer

PO Box 10 | Mesilla, NM 88046 t 575.524.3262 | direct/text 575.800.4948 CynthiaS-H@mesillanm.gov | mesillanm.gov Follow us: Facebook.com/OldMesilla | twitter.com/OldMesilla

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From: Cynthia Stoehner-Hernandez

Sent: Monday, December 20, 2021 9:02 AM

To: SOLARPERMITS@solcius.com Cc: mayor@mesillanm.gov

Subject: 2316 Calle de Colon - solar panels

#### Good morning:

We are in receipt of your State Building Application and mounting, design specs for the roof mounted solar pv system at 2316 Calle de Colon. Attached is the Town of Mesilla permit form that needs to be submitted prior to us even considering your project.

Also, we have a requirement that the solar panels not be visible from the street or be screened when mounted in the historic zone, so please describe how you will achieve that requirement.

Thank you!

Cynthia Stoehner-Hernandez
Clerk/Treasurer

PO Box 10 | Mesilla, NM 88046
t 575.524,3262 | direct/text 575.800.4948
CynthiaS-H@mesillanm.gov | mesillanm.gov
Follow us: Facebook.com/OldMesilla | twitter.com/OldMesilla



1555 Freedom Blvd Provo, UT 84604

Phone: 844.357.2258

Email: solarpermits@solcius.com

## Structural Analysis Report

#### Solar Panel Addition for: Martinez Residence

2316 Calle De Colon Las Cruces, NM

I have examined the existing Stick / Conventional framing with 2 x 6 rafters @ 24 inches on center spanning 13 feet that support the roof of this structure. I have performed structural calculations finding the framing to be adequate for gravity and uplift loads applied to the roof by the solar panels, including snow loads applied as point loads to the roof framing, where applicable. The attachments and railing are also adequate without reinforcement for the loads imposed when installed with the attachment spacing shown in the drawings. We recommend the attachments be staggered as shown in the drawings to avoid overloading the rafters.

Solcius Job # P-206644-21 Prepared by Arlo Hulick November 8, 2021 Digitally sealed by And Hylick 2529n

License Expires 12.31.22



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Snow Load Calculations	12

#### References

Attachment Pull-out Capacity	R- 1
Attachinent Function Capacity	

The following reference sheets are attached and inserted behind construction plans.

- •Solar Panel Characteristics
- Mounting System Specifications
- •Rail Specifications

#### Drawings

Roof Plan	,	PV- 02
Attachment Spacing		PV- 05
Racking Elevation		PV- 08



#### **General Notes**

- 1) These structural calculations are not intended to be applicable for non-structural items including, but not limited to, electrical, waterproofing, or drainage.
- 2) All construction methods and materials shall comply with the building code listed in the design criteria.



#### **Project Data**

**Project Location** 

Las Cruces, NM

Design Criteria: •

Building code:

2015 NMRBC & 2015 NMEBC

Design Specifications:

ASCE 7-10, NDS 2015, AISC 2010

psf

psf

Roof snow load on solar panel 5.0 Roof snow without solar panel 5.0

11

See snow load calcs supplement

Risk category

115

Design wind speed Vult

C

mph

Wind exposure

Roof angle θ

18.0

deg.

Roof zone

2

Interior component GCpi

+/-0.18

Seismic design criteria

Lateral analysis is based on percentage of weight added to main force resisting system and is independent of seismic force parameters. Per 2015 IEBC §1103.3 existing design does not require retrofitting if added weight is less

than 10% of original weight.

Existing residence

Roof area Roof rise

1619.0 3.9

sf :12 Eave to ridge distance Ridge height

16 17.2

Eave height

12

ft

Mean roof height hr

ft 14.6

ft

Roof structure:

Roof material:

Stick / Conventional Asphalt Shingle

Proposed PV system

Solar panels:

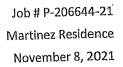
ZNShine ZXM6-NH120-365/M

Solar panel rail system: Mounting System:

SnapNrack UR-40 SnapnRack Speedseal

Attachment screws:

(1) 4-1/2" x 5/16" lag screw





Dead Loads	\$7 \tag{7}	
PV System	·	
Panel wt	45.2 lbs	
Panel frame wt	5.2 lbs	
Conductor wt	3.0 lbs	
Total weight	53.4 lbs	•
Width	40.87 in.	
Length .	69.09 in.	
Panel area	19.6 sf	
Panel dead load	2.72 psf	
Roof	Type	wt '
Covering	Asphalt Shingle	5.4 psf
Sheathing	7/16" OSB (See Note)	1.8 psf
Roof framing	•	1.0 psf
Roof load		8.2 psf
Ceiling Joists	, ,	0.0 psf
Mechanical, Insulation	• .	0.0 psf
Ceiling	5/8"gypsum .	2.8 psf .
Ceiling load		2.8 psf
Total roof and celling load		11.0 psf
Floor	Туре	wt
Covering	Carpet & pad	2.0 psf
Underlayment	3/4" Plywood	2.5 psf
Framing		10.0 psf
Mechanical / Electrical		2.0 psf
Celling	5/8" gypsum	2.8 psf
Other		0.7 psf
Floor dead load		<u>20.0</u> psf
Walls	Туре	wt
Covering	Stucco	10.0 psf
Sheathing	3/8" plywood	3.0 psf
Insulation		1.0 psf
Framing	per 1' of rafter	1.4 psf
Interior surface	5/8" gypsum	3.0 psf 18.4 psf
Wall dead load		

assumes weight of heavier plywood for purposes of checking the framing



#### **Live Loads**

Unbalanced roof snow load S	5.0 psf	See snow load calculations
Roof live load L <sub>r</sub>	20.0 psf	$C_d = 1.25$
Governing load	20.0 psf	Live load governs, based on max (load/Cd)
Snow load on panel	5.0 psf	See snow load calculations

#### **Gravity Load Increase**

#### Rafters

Rafter length	16 ft.	
Rafter spacing	24 in. on c	enter
Roof area trib to rafter	32.0 sf	
Original roof load	262 lbs	Dead load only
Panel trib width to rafter	36 in.	
# Panels on rafter (portrait)	0	
# Panels on rafter (landscape)	3	
Panel area trib to rafter	30.7 sf	
Added weight	83 lbs	
% Load increase	31.8%	

#### FURTHER ANALYSIS REQUIRED (see page 9)

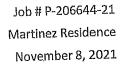
IEBC §1103.2

#### Lateral Force Increase

Roof trib area to MFRS	810 sf	Interior wall trib to MFRS	0 sf
Floor trib area to MFRS	0 sf	Interior wall weight	8 psf
Wall trib area to MFRS	234 sf .	Interior wall wt to MFRS	0.0 kips
Roof wt tributary to MFRS	8.9 kips		
Floor wt tributary to MFRS	0.0 kips		
Wall wt tributary to MFRS	4.3 kips		
Original wt to MFRS	13.2 kips		
# PV panels trib to MFRS	14.00 panels		
PV system weight	0.7 kips		
% weight increase	5.7%		

Lateral force increase <10%, existing MFRS is O.K.

IEBC §1103.3





#### Solar Panel Support Frame

Maximum span length 84 in SnapNrack Bin span charts, Exp. C, 115 mph, zone 2, Rail span 72 in UR-40 rail5 psf snow, see allowable rail span chart.

#### Attachment spacing is O.K.

The mounting system is adequate for the proposed fastener spacing.

### Wind uplift on Mounting System

Antin abilit off total	A CD + O EW (ASD LOST	d Case 7, ASCE 7-10 §2.4.1)
Governing Load Case:	72 in.	, 0000 / / / /
Attachment spacing Sattach		
Attachment spacing Sperp	19 in.	
Mounting point trib area Atrib	9.5 sf	$A_{trib} = S_{attach} S_{perp}$
Pressure at h =30' (Pnet30)	-3.0 psf	ASCE 7-10, Figure 30.5-1
Array edge factor γ <sub>E</sub>	1.0	N/A, used only in ASCE 7-16
Pressure equal. factor γ <sub>a</sub>	1.0	N/A, used only in ASCE 7-16
Velocty Pressure Coeff. (q <sub>h</sub> )	1.0	N/A, used only in ASCE 7-16
Array trib area	226.4 sf	= module area * # modules in array
Mean roof height h <sub>r</sub>	14.6 ft	
Bldg ht adjust factor $\lambda$	1.21	ASCE 7-10, Figure 30.5-1
Topographic factor K <sub>zt</sub>	1.0	ASCE 7-10, Figure 26.8-1
Adjusted pressure (Pnet)	-16.0 psf	ASCE.7-10, Eqn. 30.5-1
Dead load	2.7 psf	
Wind load	-16.0 psf	
Net Uplift (0.6D + 0.6W).	8.0 psf (upv	vard)
Uplift on attachment Puplift	76 lbs	P <sub>uplift</sub> = Net Uplift A <sub>trib</sub>
Attachment screws used:	Use (1) 4-1/2" x 5/	16" lag screw
Min. embedment depth	3.0 inches	
Pull-out capacity per inch	133 lbs	Pull-out capacity per manufacturer, see page R-1
Tensile capacity	399 lbs	The state of the s
	tachment is O.K.	nd and if A produce of the control o



1555 Freedom Blvd Provo, UT 84604

Phone: 844.357.2258

Email: solarpermits@solcius.com

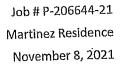
## Lateral Force Supplement

Lateral wind force	ASCE 7-10 Fi	g. 28.6-1	Exposure	C, wind ca	ategory II
Surface	Ps30	Area	I wind	λ	force
A	27.9 psf	0 sf	1	1.21	0.00 k
В	-8.1 psf	0 sf	1	1.21	0,00 k
Č	18.6 psf	0 sf	1	. 1.21	0.00 k
D	-4.5 psf	0 sf	1	1.21	0.00 k
Total lateral wind force	•				0.00 k

#### Se

eismic force		•	
Original weight: PV system weight: Total	13.201091 0.74746 13.95 k		
Site class S <sub>1</sub> S <sub>ds</sub> S <sub>d1</sub> Seismic Design category: Shear resistant construction Response Modification Coeff Assumes short structure (1-2	ficient R	Wood shear walls with wood shea 6.5 ASCE 7-10 Table 12.2-1 o', T = 0.38s < T <sub>L</sub> , also assumes ρ =	
Importance Factor I <sub>e</sub>	1.		
C <sub>s</sub>	0.000	ASCE 7-10 12:8-2	•
C <sub>s</sub> Max	0.000	ASCE 7-10 12.8-3	
C <sub>s</sub> Min	0.000	ASCE 7-10 12.8-4,5	
Seismic response coeff. C <sub>s</sub>	0.000		
Seismic Force E = p C, W	0.00 k	•	

Seismic force less than wind + 10%, existing structure O.K.





#### **Existing Rafter Analysis**

Beam properties, size, spacing and span

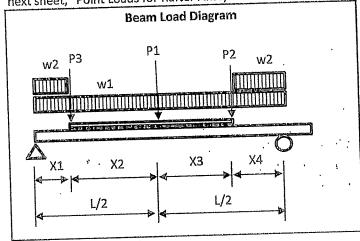
Douglas fir-larch #1 & BTR assumed

Douglas fir-larch #1 & B1R assum	ieu .						
Rafter span L	13.00	feet					
Rafter spacing	24	inches					
Rafter size	2 x 6						
Section modulus	7.56	in <sup>3</sup>					
Allowable stress F <sub>b</sub>	1200	psi					
Size factor C <sub>F</sub>	1.30						
Repetitive use factor C <sub>r</sub>	1.15						
C <sub>d</sub> shown for individual load cases below							
All other adjustment factors = 1							

#### Loads on roof and solar panels

Foads on toot and aniai hausia			
Roof dead load	8.2	psf	
Panel dead load	2.72	psf	
Roof live load	20.0	psf	
Wind uplift	-45.9	psf	
Wind downforce	16.6	psf	
Snow load on panels	5.0	psf	
Snow load on roof, no panels	5.0	psf	
200M load off tool, to barrens	•	•	

Additional point loads may be considered - see next sheet, "Point Loads for Rafter Analysis"



Assumes slippery panels

Assumes non-slippery roof (except metal roofs)

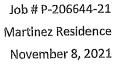
Loads prior to installation:	w (plf)	Cd	w/C <sub>d</sub> .	Point loads from solar not applied prior to install
D+Lr	56.4	1.25	45.1	
0.6 D + 0.6 W up	-45.2	1.60	-28.2	
D + 0.6 W dn	36.3	1.60	22.7	
	26.4	. 1.15	23.0	to the second second
D+S D+Lr	56.4	1.25	45.1	Governing load case is determined by max $w/C_d$
Total load before install:	733	lbs	=wL	
Rafter end conditions Moment at center span	Simple be 1191	eam ft lbs	= wL^2	78

Check member for adequacy prior to install:

Check member for adequacy pr		THE PERSON NAMED IN	ACTION CONTRACTOR CONT	•
Stress (=(M/S)*12"/ft):	1890	psl	O.K.	
	22/2	psi	= Fb * adjustment factors	given above
Adjusted allowable stress F'b	2243	μsi	- TD aggarant	٠,

#### Loads after install

Point loads applied from solar panels - where the point load is outside the span, load = 0





Points listed as "staggered" are on a different rafter, and therefore have no load applied

	load							•
	location		,	0.6°D+0.6	=		Moment	
	on rafter	built (a6)	D+Lr	Wup	D+0.6 V	D+S	(ft lbs)	
Point load	span (ft)	trib (sf)	25.9	-245.9	120.4	73.4	-1598.2	
1	6.5	9.5		0.0	0.0	0.0	0.0	
Staggered	8.5	0.0	0.0		120.4	73.4	-819.6	
3	3.3	9.5	25.9	-245.9	0.0	0.0	0.0	
Staggered	5.3	0.0	0.0	0.0			-2376.8	
5	9.7	9.5	25.9	-245.9	120.4	73.4		
Staggered	11.7	0.0	0.0	0.0	0.0	0.0	0.0	
. 7	0.0	0.0	0.0	0.0	0.0	0.0		
Staggered	0.0	0.0	0.0	0.0	0.0	0.0		
9	0.0	0.0	0.0	0.0	0.0	0.0		
Staggered	0.0	0.0	0.0	0.0	0.0	0.0		
11	0.0	0.0	0.0	0.0	0.0	0.0		
Staggered	0.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	•	
Staggered	0.0	0.0	0.0	0.0	0.0	0.0		
15	0.0	0.0	0.0	0.0	0.0	0.0		
Staggered	0.0	0.0	0.0	0.0	0.0	0.0	•	
Distributed loads on rafter sp	oan where no	t covered b	y solar par	nels				
w1	1.4	5,5	155.1	-124.3	99,8	72.6	-170.9	
w2	12.6	1.5	42.3	33.9	27.2	19.8	-427.9	
Roof dead load	6.5	0.0	0.0	0.0	0.0	0.0	0.0	
Governing load case	5 D + 0.6 W	up						
Total load (lbs)	-896		275	-896	488	312	-5393	
Cd	1.60		1.25	1.60	1.60	1.15		
Load/Cd	560		220	560	305	272		
and any out								
Reaction on right	-415 .	lbs	= mome	nt / rafter	span	•		
Reaction on left	-481	lbs			ion on left	١,		
•			= reactio	n on left *	* span/2 - su	ım (mom	ents from po	int loads
Max moment	-1710	ft lbs	left of ce	enter)		111		
Reduced moment	-1710	ft lbs	Applies r	reduction	in moment (	due to co	ntinuity.	
Stress (=M/S/12"/ft):	2714	psi	O.K.	1				
Adjusted allowable stress F' <sub>b</sub>	2870	psi	=F <sub>b</sub> * adj	justment f	actors abov	e. '.''		
						1		



### **Roof Snow Load Calculations**

KOOI 2110A FOUR COLCAINGE		
Ground Snow Load Pg	5.0 psf	
Thermal factor C <sub>t</sub>	1.1	•
Flat Roof Snow Load $P_f = 0.7 P_g C_e C_t I_s$	3.9 psf	
$P_s = C_s P_f$		
Solar panels are assumed cold and slippery: C <sub>s</sub> (slippery) =		ASCE 7-10 fig. 7.2b $P_s = C_s P_f$
P <sub>s</sub> (solar panels, slippery) =	•	
Non-metal roof without solar panels is assumed	1 00	ASCE 7-10 fig. 7.2b
Cs (not slippery) = Ps (roof, not slippery) =		$P_s = C_s P_f$
Unbalanced snow load		
Pitch:	4:12	
Is pitch < 1/2:12 or > 7:12?	No	`
W (horizontal projection of eave to ridge)	15.2 ft	•
Is rafter simply supported?	Yes	
Snow density Y	14.7 pcf	ASCE 7-10, Eqn. 7.7-1
Unbal. drift ht h <sub>d</sub>		ASCE 7-10 fig. 7-9
Unbalanced drift surcharge		ASCE 7-10 7.6.1
Length of drift surcharge	3.7 ft	ASCE 7-10 7.6.1
Solar array distance from ridge	3.0 ft	
Unbalanced snow load on rafters	5.0 psf	I*Pg*Cs applied as unbalanced snow on leeward slo
Unbalanced snow load on solar panels	5.0 psf	I*Pg*Cs applied as unbalanced snow on leeward slo
Drifting/sliding snow on low roof		
Balanced snow height h <sub>b</sub>		=/balanced snow load / density
Clear ht from bal. snow to high roof h	0.0 ft	:
Upper roof length la		
Lower roof width W <sub>lower</sub>		
Lower roof drift height h <sub>d</sub>	0.0 f	t
Lower roof drift max surcharge p <sub>d</sub>	0.0 ps	f
Lower roof drift length	0.0 f	t
Solar array distance from upper roof	0.0 f	t
Lower roof drift surcharge Plow drift	0.0 ps	f not combined with sliding or rain surcharges
Sliding snow surcharge P <sub>sliding</sub>	0.0 ps	f combined with balanced snow only (ASCE 7-10 7.9)
Rain on snow surcharge P <sub>rein</sub>	0.0 ps	f combined with balanced snow only (ASCE 7-10 7.10)
	alamand and	d/or drifting/sliding snow as needed:

P<sub>s</sub> design (roof without solar panels) 5.0 psf



### **Attachment Pull-out Capacity**

Tebbé 13-24 tog 5-20 Celebrace Wilhitmoval Docken Values, Hit

Tabulited willideand design values (V) and in papeles per lack of thread penetration alto odds grain of world meinter.

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0.71	381	422	484	543	600	709	213	913	1003	1103	1193
0.69	357	413	373	533	557	HSA	796	803	· SALA	NCPTH.	TEGT
0.67	340			420	479	559	641	719	795	869	940
0.5%	281	332	381	395	437	516.	542	1.64	034	202	268
0.55	264	307	351	35.1	390	464	528	593	656	716	775
	173		312	Account to	No. de la la de	447	313	506	636	895	751
0.50	223	260	305	3.62	200	434	498	559	617	674	730
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0.47	205	242	273	312	345			SOB	552	613	664
0.46	199	235	269	302	334	395	453	475	525	574	621
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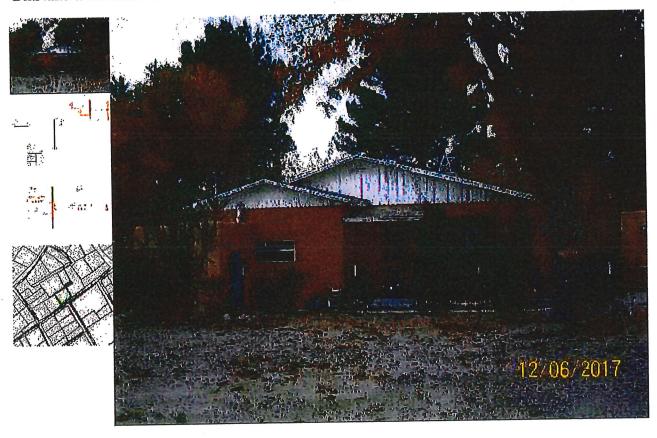
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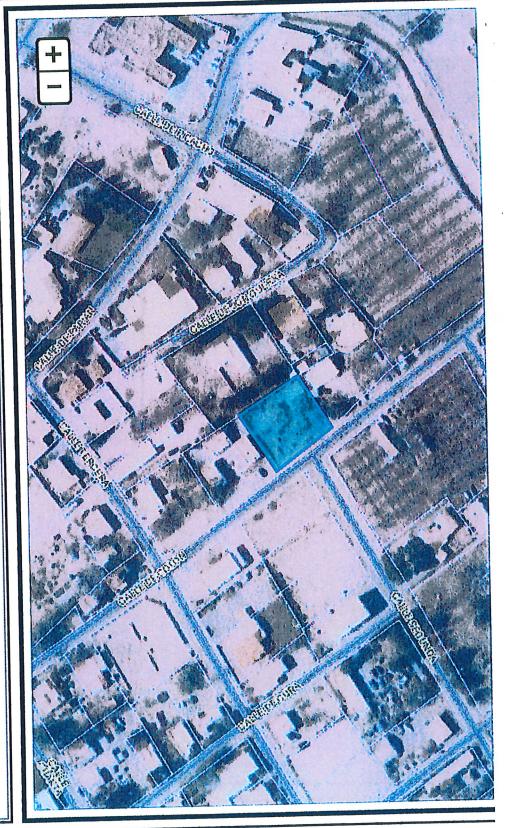
- Account Search
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- Help?
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Account: R0400569 Real Property Account \*Mill Levy does not include Special District Rates such as: Lower Rio Grande Flood Levy, Hueco Levy, Mclead Watershed Levy, Caballo Soil and Water Conservation Levy, and La Union Watershed Levy.



# Doña Ana County, NM Parcel Map Leticia Duarte Benavidez, County Assessor

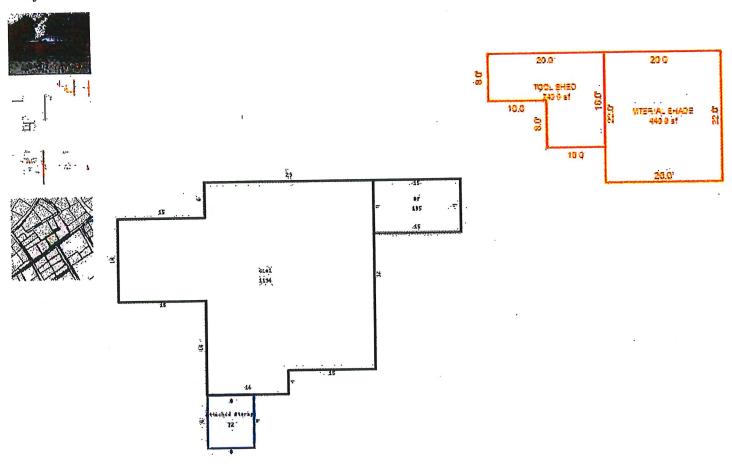
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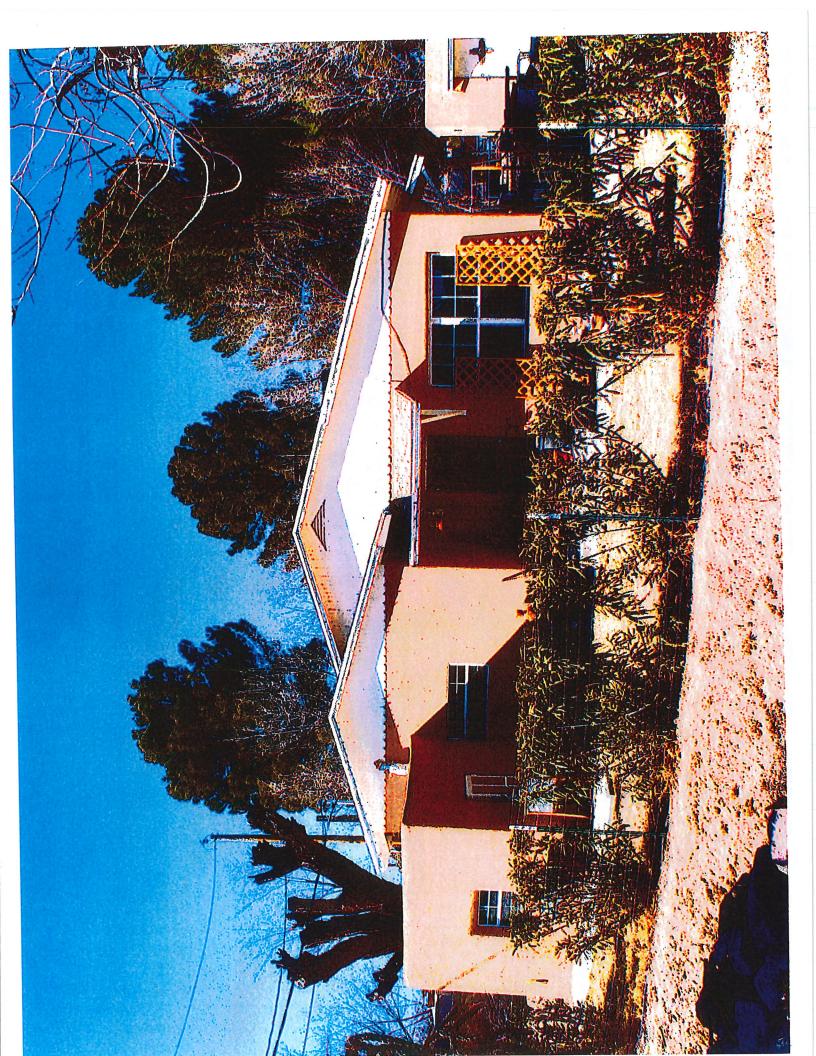


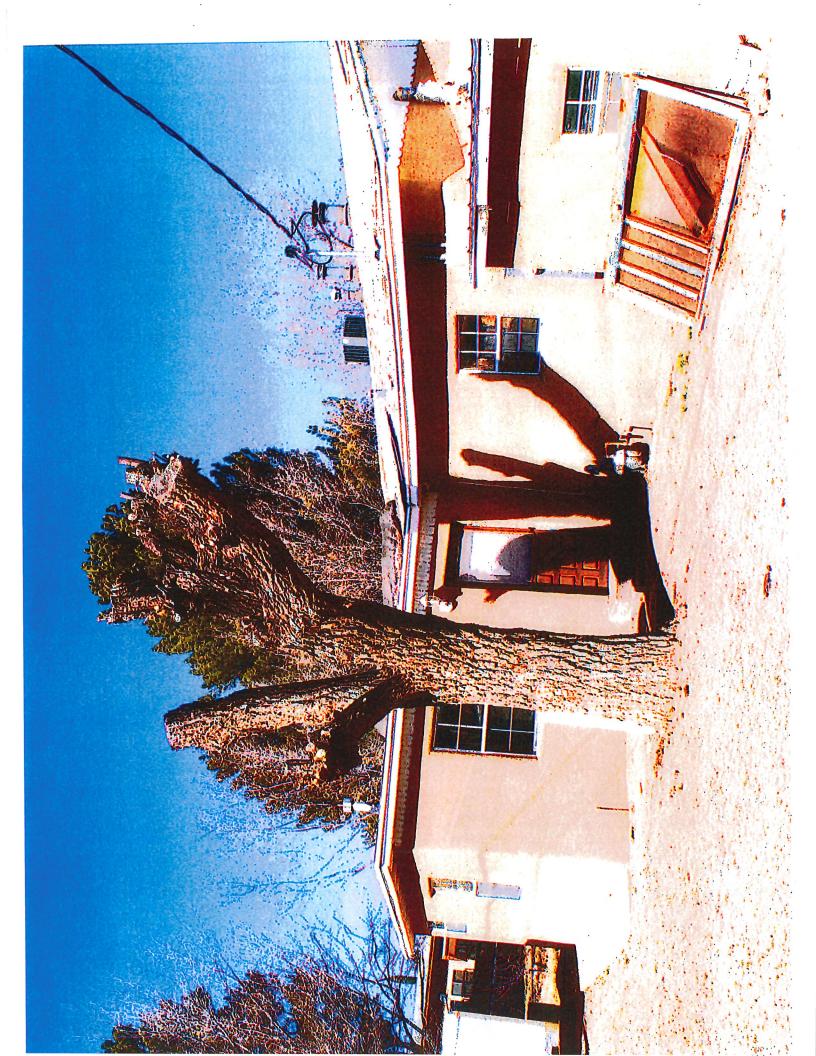
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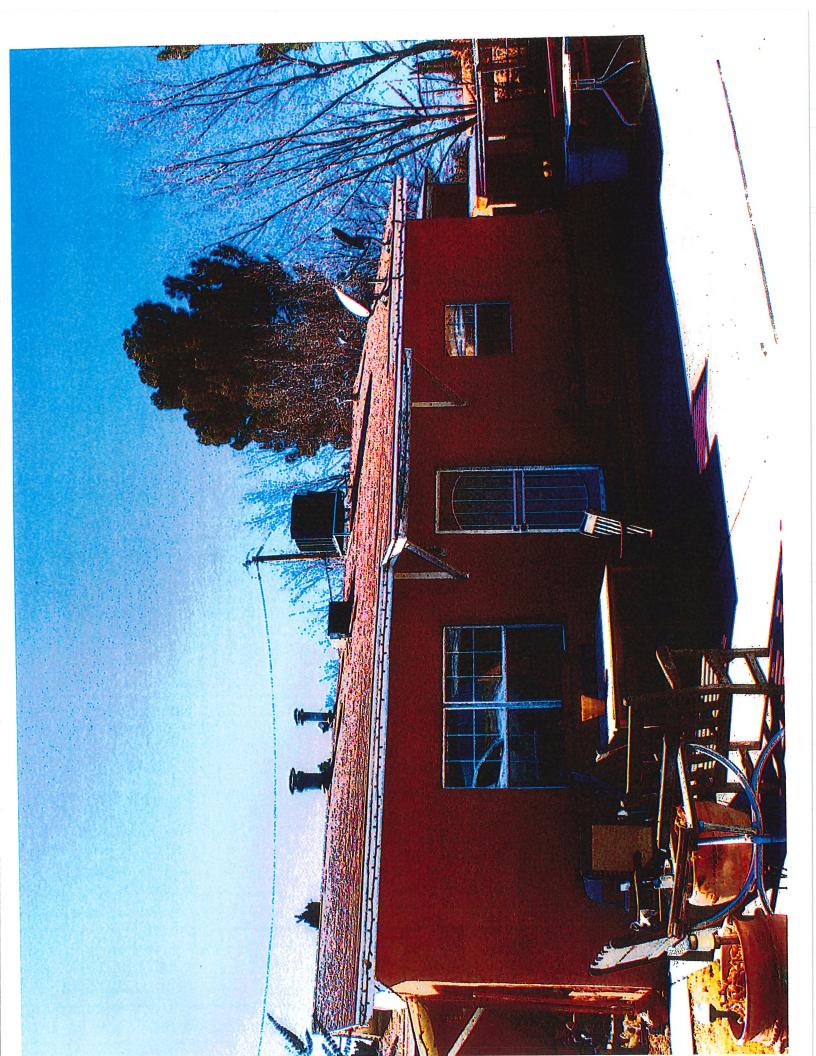
- Account Search
- View Created Report(s)
- · Help?
- Logout Public

Account: R0400569 \*Mill Levy does not include Special District Rates such as: Lower Rio Grande Flood Levy, Hueco Levy, Mclead Watershed Levy, Caballo Soil and Water Conservation Levy, and La Union Watershed Levy.









				ı
	SHEET INDEX	SCOPE	SCOPE OF WORK	$\sim$
١.	TITLE SHEET	Installation of Solar PV Sys	f Solar PV Sy	1 2
	SITEPLAN	# OF PANELS:	27	
	EQUIPMENT LABELS	# OF INVERTERS:	H	
	ATTACHMENT SPACING	DC SYSTEM SIZE:	9.855	+
	RACK RAIL DIAGRAM	AC SYSTEM SIZE:	7.6 K	$\sim$
٨.	ELEVATION			L
~	PROPERTY PLAN			<u>i</u> .
	SPECIFICATION SHEETS			_

KW-DC CW-AC

stem

# APPLICABLE CODES

2015 INTERNATIONAL RESIDENTIAL CODE 2015 INTERNATIONAL BUILDING CODE 2017 NATIONAL ELECTRIC CODE (NEC)





# CONSTRUCTION NOTES

STRUCTURE SERVED SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM. WHERE NONE OF 250.52(A)(4)-(A)(8) SHALL BE INSTALLED PER NEC 250.50. ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED ALL GROUNDING ELECTRODES AS DESCRIBED IN NEC 250.52(A)(1)-(A)(7) THAT ARE PRESENT AT EACH BUILDING OR THESE GROUNDING ELECTRODES EXIST, ONE OR MORE OF THE GROUNDING ELECTRODES SPECIFIED IN NEC PER NEC 250.53. THE GROUNDING OR BONDING CONDUCTOR SHALL BE CONNECTED TO THE GROUNDING ELECTRODE BY LISTED CLAMPS PER NEC 250.70.

B. ROOFTOP MOUNTED PHOTOVOLTAIC SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ROOF PENETRATIONS SHALL BE FLASHED AND SEALED IN ACCORDANCE WITH IRC

C. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT PER NEC 110.26.

D. ALL PLAQUES AND SIGNS WILL BE INSTALLED AS REQUIRED BY NEC.

CONDUIT WILL BE INSTALLED IN COMPLIANCE WITH NEC 358.

F. GROUNDING ELECTRODE CONDUCTOR SHALL BE PROTECTED PER NEC 250.64(B) AND SHALL BE CONTINUOUS PER

ROOF COVERINGS SHALL COMPLY WITH IBC 1506.2, 1507 & IRC R904.3. NEC 250.64(C).

H CIRCUIT BREAKERS, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION PER NEC 705.12(B)(4) AND WILL BE INSTALLED PER NEC 408.36(D).

I. INVERTERS UL LISTED 1741 PER IRC R324.3.

I. ROOFTOP MOUNTED PHOTOVOLTAIC PANEL SYSTEM SHALL BE TESTED, LISTED AND IDENTIFIED WITH A FIRE CLASSIFICATION IN ACCORDANCE WITH UL 1703.

K. NON-CURRENT-CARRYING METAL PARTS OF EQUIPMENT, RACEWAYS, AND OTHER ENCLOSURES, IF GROUNDED, SHALL BE CONNECTED TO AN EQUIPMENT GROUNDING CONDUCTOR BY ONE OF THE METHODS SPECIFIED IN NEC

L. THE DISCONNECTING MEANS FOR UNGROUNDED CONDUCTORS SHALL CONSIST OF A MANUALLY OPERABLE SWITCHES OR CIRCUIT BREAKERS COMPLYING WITH NEC 690.15(D)(1). 250.134(A) OR (B).

M. THE INSTALLATION OF EQUIPMENT AND ALL ASSOCIATED WIRING AND INTERCONNECTIONS SHALL BE PERFORMED ONLY BY QUALIFIED PERSONS PER NEC 690.4(C).

N . IT IS THE DUTY OF THE PERSON REQUESTING ANY INSPECTIONS REQUIRED BY THE IRC TO PROVIDE ACCESS TO AND MEANS FOR INSPECTION OF SUCH WORK PER IRC R109.3.

P. SOLAR PV MODULES CANNOT BE INSTALLED OVER OR BLOCK ANY ATTIC VENTS, PLUMBING VENTS, FURNACE OR O. SMOKE ALARMS & CARBON MONOXIDE ALARMS MUST BE INSTALLED PER IRC R314.2.2 AND R315.2.2. WATER HEATER VENTS. ETC.

Suite FEI:Paso, TX 1530 Goodyear Dr (844) 357-2258 Solcius, LLC

Colon Mesilla NM Patty Martinez 88046 (575) 640-2316 Calle De

1561

UTILITY:

El Paso Electric Co (NM)

DESIGNER:

Altna Energy

DATE

11/05/2021

PROJECT #:

P-206644-21

Mosaic Financier

URISDICTION:

9.855 KW-DC SYSTEM SIZE. Mesilla

7.6 KW-AC SHEET TITLE: TITLE SHEET

VERSION:

SHEET #: PV01

Digitally sealed by Ano Hull约8/2629n

34'-8" - ROOF ACCESS PV MODULES - JUNCTION BOX 3" VENTILATION LOCATION ON THE RIDGE SHALL NOT BE REQUIRED TO BE FREE OF OBSTACLES. 16. 0 2316 Calle De Colon - CONDUIT RUN INVERTER(S): 1 SOLAREDGE SE7600H-US (240V) = 7.6 KW-AC - ROOF ACCESS -16-0.% FIRE SETBACKS (IFC 605.11.1) 529.43 Total Roof Surface Area: 1619.0000 1535.35 % Coverage= 32.7% <u>А</u> <del>1</del>00Я <u>></u> Total Solar Surface Area: PANELS: 27 x 365W = 9.855 KW-DC Total Gross Weight: NO ACCESS ISSUES MAIN SERVICE PANEL AND UTILITY METER INVERTER/ DC DISCONNECT CUSTOMER GENERATION AC DISCONNECT 0 က် Asphalt Shingle Asphalt Shingle ROOF TYPE 38'-9" ZNShine ZNShine ZXM6-NH120-365/M TOTAL: 27 SOLAR SOLAREDGE SE7600H-US (240V) 88% 85% AZIMUTH AND TILT TABLE F AZIMUTH TILT ANGLE TILT ANGLE MODULE COUNT 14 8 OF ROOF 28 8 OF PANEL 78 23 238 28

Solcius, LLC

1530 Goodyear Dr Suite F El Paso, TX Colon Mesilla NM Patty Martinez (844) 357-2258 2316 Calle De 79936

88046 (575) 640-1561 UTILITY:

El Paso Electric Co (NN)

Altna Energy DESIGNER:

DATE:

11/05/2021

**PROJECT #:** P-206644-21

Mosaic Financier:

JURISDICTION:

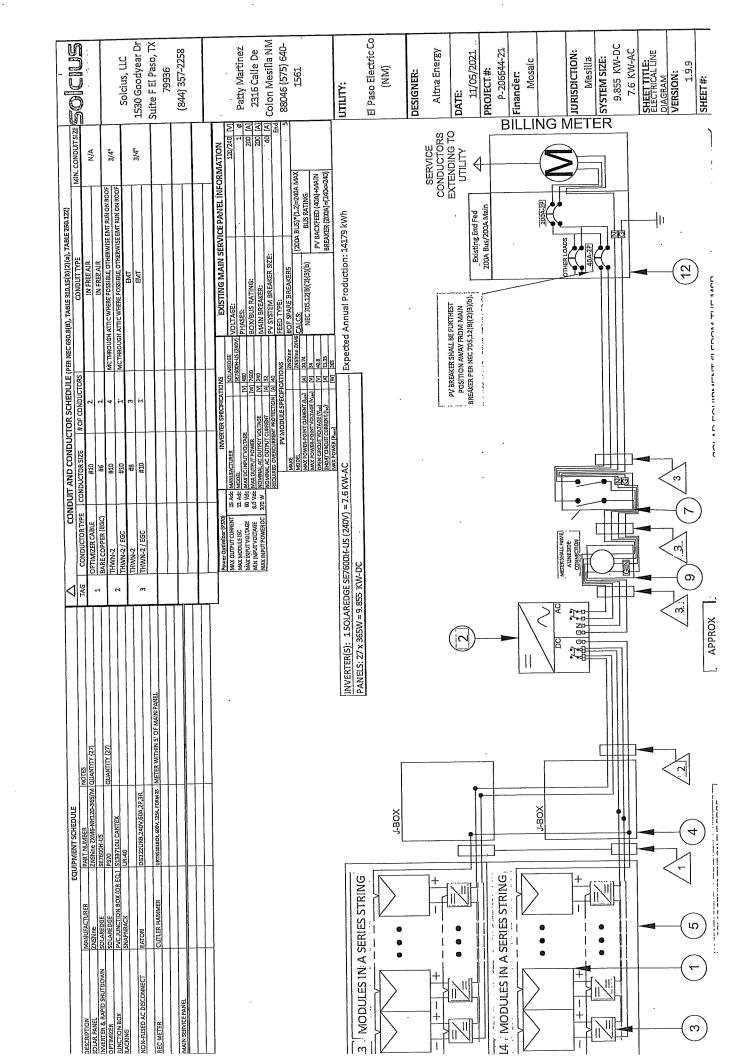
9.855 KW-DC Mesilla SYSTEM SIZE:

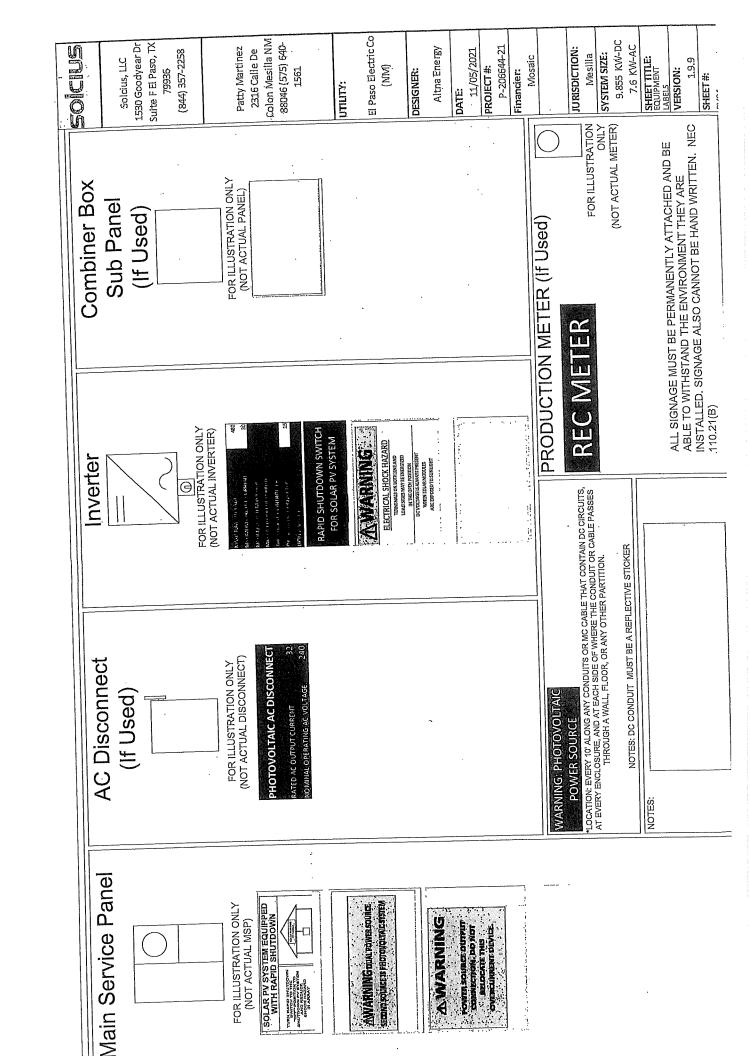
7.6 KW-AC SHEET TITLE: SITE PLAN

1.9.9

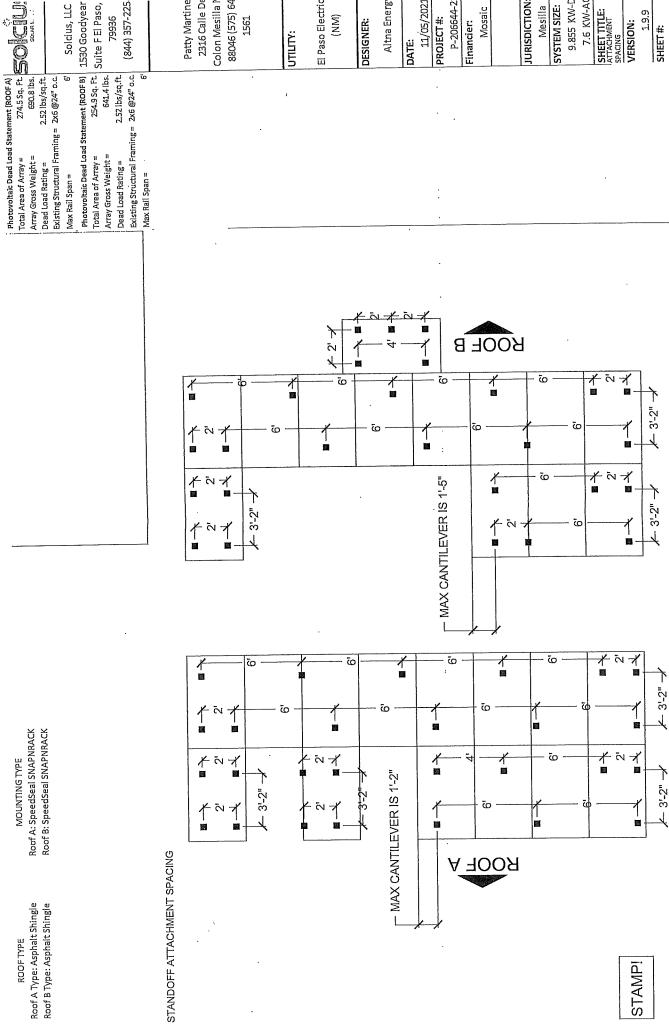
VERSION: SHEET#:

STAMP!





MOUNTING TYPE Roof A Type: Asphalt Shingle Roof B Type: Asphalt Shingle ROOFTYPE



El Paso Electric

UTILITY:

(ZZ)

P-206644-21

PROJECT#:

Mosaic

Financier:

11/05/2021

DATE

Altna Energy

DESIGNER:

9.855 KW-D 7.6 KW-AC

SHEET TITLE: ATTACHMENT SPACING

1.9.9

SHEET #: PV05

VERSION:

STAMPI

JURISDICTION:

Mesilla SYSTEM SIZE:

Patty Martine

Solcius, LLC 1530 Goodyear Suite F El Paso, (844) 357-225

79936

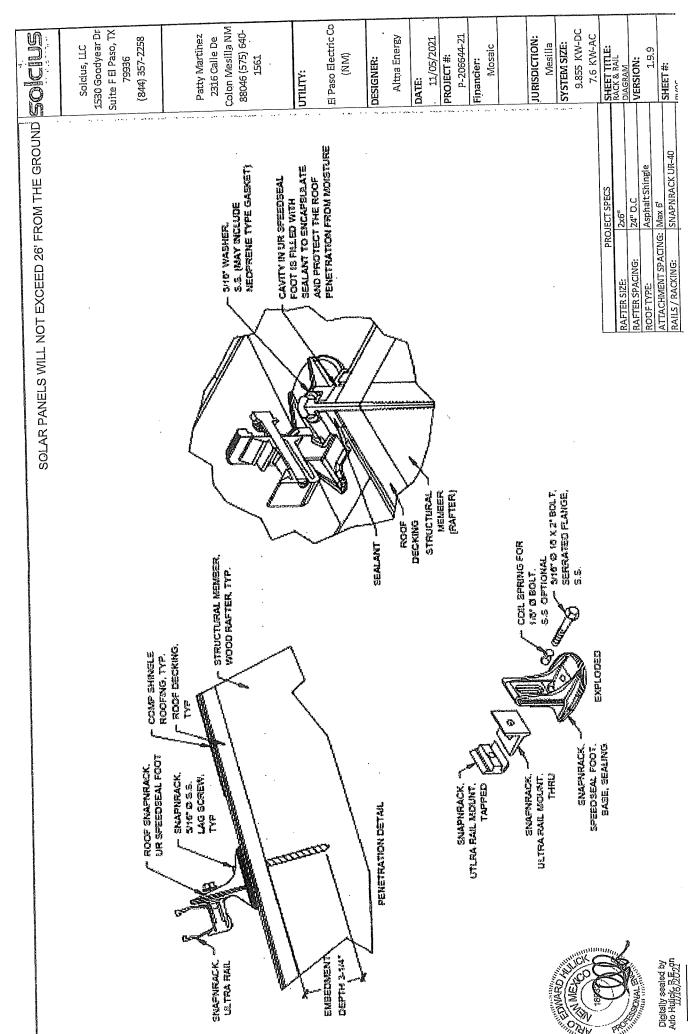
254.9 Sq. Ft.

641.4 lbs.

2316 Calle De Colon Mesilla l

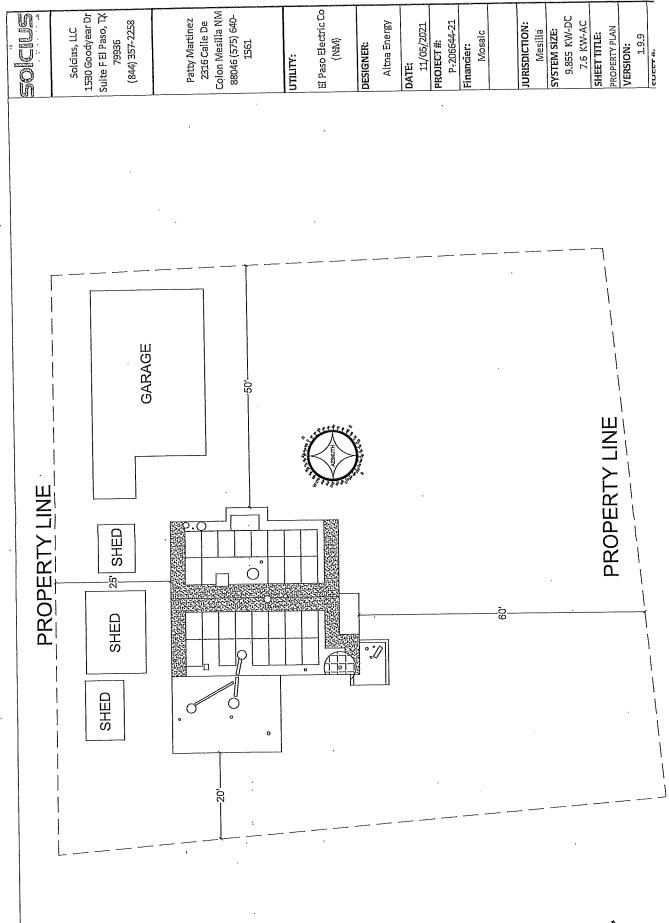
88046 (575) 64

1561



	Solcius, ILC 1530 Goodyear Dr Suite F El Paso, TX 79936 (844) 357-2258	Patty Martinez 2316 Calle De Colon Mesilla NM 88046 (575) 640- 1561	UTILITY:  El.Paso Electric Co (NN)  DESIGNER:	Antidectics by DATE: 11/05/2021 PROJECT #: P-206644-21 Financier: Mosaic	JURISDICTION:  Mesilla SYSTEM'SIZE:  9.855 KW-DC 7.6 KW-AC SHEETTITLE: ELEVATION VERSION: 1.9.9	CUEET#
SOLAR PANELS WILL NOT EXCEED 26' FROM THE GROUND SOLAR PANELS WILL NOT EXCEED 26' FROM THE GROUND SOLAR			12. 14.	MOGNIM	L DINVERTER  COSTOMER GENERATION AC DISCONNECT  MAIN SERVICE PANEL AND UTILITY METER  WALL	

SHEET#.







PAGE BOOK STATE OF THE PAGE ST

ZNSHINESOLAR

ZXM6-NH120 Series Zashinesolar 9BB HALF-CELL monocrystalline PV Module

ELECTRICAL PROPERTIES | STC\*

### 350W | 355W | 360W | 365W | 370W

Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXM6-NH12D monocrystal-line modules by ZNSHINE SOLAR( power output 350 up to 370Wp, represent a highly flexible solution for diverse installation types, from industrial rooftop plants to small home PV systems or large ground surfaces. This allows you to produce clean energy while reducing your

ZNSHINE SOLAR' S ZXM6-NH120 Monocrystalline solar modules are tested and approved by international acknowledged laboratories, so that we can offer our customers a reliable and price-quality optimized product. The linear warranty on product outputs further ensures increased security and return on investments over time.

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37.6

37.2

8.43

8.36 37.4

9.08

9.00

8.92

313

30.9 8.28

11.42

11.24

STC (Standard Test Condition): Inauliance 1000W/m<sup>3</sup>, Module Temperature 25°C, AM 1.5 The data above it for reference only and the adual data is in accordance with the pratical?

ELECTRICAL PROPETIES | NMOT\*

10.82

41.0

34.2

33.8 10.66

33.6

0-+3 33,4 10.57

40.4

11.04

18.80

definition of the second

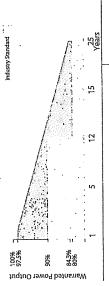
360

355

## 12 years product warranty/25 years output warranty

0.55% Annual Degradation over 25 years

Zushlne's Standard



High transparency, low iron, tempered

. Мапо 166×83тт

MECHANICAL DATA

NAOT(Nominal module operating temperatura)stradance 800W/m3-Anblant Temperatura 20°C-ANI 15.Wind Speed 1m/s the data above is for reference only and the actual data is in accordance with the prolifes teating

*TEMPERATURE RATINGS* 

120 (6×20)

1776×1048×35 mm

-0.29%/°C arings in parallel conne

-0.05%/°C

44°C ±2°C -0.36%/°C 19.5 kg

Glass 3.2 mm (AR-coating) IP 68, 3 diodes

> 1000 / 1500 V DC 20 A 5400 Pa / 2400 Pa

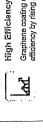
WORKING CONDITIONS

~40°C~+85°C

MC4-compatible 4 mm<sup>2</sup> ,350 mm

40, HQ 8

PACKAGING INFORMATION



No power loss thanks to improved temperature co-efficient caused by 9 busbar solar cell

98B

9 Busbar Solar Cell

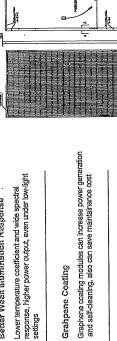
Graphene coating can increase about 2W of the module efficiency by rising around 0.5% of the light transmission

Lower temperature coefficient and wide spectral response, higher power output, even under low-light

Limited power degradation of ZXM6-NI4120 module caused by PID effect is guaranteed under strict testing condition for mass production

Anti PID

Better Weak Illumination Response

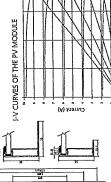


Grahpene Coating

Certified to withstand the most challenging environmental conditions

5400 Pa snow load 2400 Pa wind load

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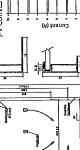
Power (W)

DIMENSION OF THE PV MODULE (mm)

















ZNShine PV-Tech Co., LTD, founded in 1988, is a world-leading high-performance PV module manufacturer, PV power station developer, EPC and power station





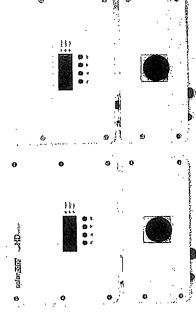
### with HD-Wave Technology Single Phase Inverter

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US







## Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
  - Record-breaking efficiency

Bullt-in module-level monitoring Outdoor and indoor installation

Extremely small

- Fixed voltage inverter for longer strings
- integrated are fault protection and repid-shutdown for # Optional; Reyenue grade data, ANSI-C12.20
  NEC.2014 and 2017; per article 690.11 and 690.12
  Class 0.5 (0.5% accuracy) NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid

Solar Sage

# / Single Phase Inverter

# with HD-Wave Technology for North America

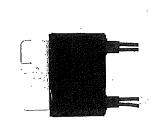
SE3000H-US / SE3800H-US / SE5000H-ŪS / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

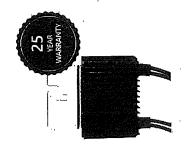
OUTPUT							THAT IS SHOWN	1
Dated of Power Cultural	3000	3800 @ 240V	2000	5000 @ 240V	7600	10000	10000 @ 208V	≸
Marie Action of Preser Culture	3000	3800 @ 240V	3000	5000 @ 240V SODO @ 208V	7600	DOODL	11400 @ 240V 10000 @ 208V	\$
Maximum Ac Forest October		3300 @ 200X	,	,	,	*2	`	赘
(211 - 240 - 264)	,	,	*	.			,	¥
AC Output Yolage Min,-Nom,-Max. (183 · 208 - 229)		`		*	,			ř
AC Frequency (Nominal)				59.3 - 60 - 60.5*				1
Maximum Continuous Output- Curent (0240V	\$2	16	F	ß	32	42	4/3	
Maximum Continuous Outgut:		Ð		*	,		. 48.5	æ
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Utility Mantonng, Islanding Protection, Country Confearable Thresholds	:			ង្គ				
INPUT						on one	TAGED	3
Maximum DC Rower @240V	.4650	3900	05//	0066.	. 11800	15500	000/1	: 3
Maximum DC Power @208V	٠	20072		7750	•	•	OUCE	:
Transformer-less, Ungrounded				ង				ρķ
Maximum Input Voltage				450		400		ğ
Nominal DE Input Voltage:		١	338	35.5	27	12	30.5	Adc
Maximum Input Current @240V <sup>23</sup>	3.5	502	13.5	9 6	3	-	12	Adc
Naximum Input Current @208VFF	•	6	•	- P				Adc
Max. Input Short Circuit Current								
Reverse-Polarity Protection				NO.				
Ground-Fault Isolation Detection				DIVUKO SERSIMMIN	100			96
Maximum Irwerter Efficiency	86				756		99 @ 240V	35
CEC Weighted Efficiency				93			98.5 @ 208V	3
Nighttime Power Consumption				¢25				*
ADDITIONAL FEATURES								
Supported Communication Interfaces			RS485, Ethen	RS485, Ethernet, ZigBee (optional), Cellulai (optional)	Cellular (optional)			
Revenue Grade Data, ANSI C12.20				Optionalin				
Rapid Shutdown • NEC 2014 and 2017 630,12			Automatic Ra	Automatic Rapid รักมเต่องกา upon AC Grid Disconnect	AC Grid Disconnect			
STANDARD COMPLIANCE								
Saiety		ULITA	1, UL7741 SA, UL1699	B. CSA C22.2. Canad	ULITAI, ULITAI SA, UL1699B. CSA C22.2. Canadian AFO according to 1.11. M-UV	13.L. M-07		-
Grid Connection Standards			-	IEEE15-17, Rule 21, Rule 14 (1-11)	14 (네)			
Emissions				KCC Part 15 Closs B	3B			
INSTALLATION SPECIFICATIONS	SNC					april 4 hr	AND LONGON COLLABORATE	_
AC Output Conduit See / AWG Range			P. Mazimum / 14-5.AWG	IWG	ALIE IN SPERMENTAL PROPERTY OF THE PROPERTY OF	II SNICKIII		1
DC Input Conduit Size / # of Strings /		1* Mæ	1° Maximum / 1.2 stilngs / 14,5 AWG	14-5 AWG		/ madmam /	- Maximom / 1-3 strings / 14-6 AWG	2.
Dimensions with Safety Switch		17.7	17,7 x 14.6 x 6.8 / 450 x 370 x 174	370 x 174		13×14.6×	21.3 × 14.6 × 7.3 / 540.× 370 × 185	E .
(HXWAD)		32 / 10	25.1/114	Ti di	252/119	, n	38.8 / 17.6	년/년
Weight with safety swices			<.25			c50		ABP
Moise				Natural Convection	uo.			
Cooning			-13 to +140	-13 to +140 / -25 to +60th (-40'F / -40°C option)th	F / -40°C option!F			17.2
Contract of the Contract of th								

solaredge.com

### Power Optimizer

P320 / P340 / P370 / P400 / P405 / P505 For North America





### OWEROPTIMI

## PV power optir

- level monitoring
- Meets NEC requirements for arc fault profection (AFC), and Photovoltaic Rapid Shurdown System (PVRSS)

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🛭 Superior èfficiency (99:5%)

Mitigates all types of module mismatch losses, from manufacturing tollerance to partial shading

Flexible system design for maximum space utilization

Module-level voltage shutdown for installer and firefighter safety

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129×155×33.5 / 23×159×49.5 / 129×151 / 121×6×13 | 5.1×6.3×13

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Manimum DC Inpidi-Current Manimum Efficancy

Overvollage Category

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P320 / P340 / P370 / P400 / P405 / P505

P320 (for 60-cell modules)

Power Optimizer For North America <u>ئ</u>ز.

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COUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREDGE INVERTER OR SOLAREDGE INVERTER OF SOLAREDGE INVERTER OF SOLAREDGE

, FCC Partis Cless 8, IEC61000 6-2, IEC61200 6-3

STANDARD COMPLIANCE

Safely Ougut Veltage per Rower Oodenzer

7=01

IFC6709- (class Tsaley), UT 1/41 UTS-Y-0., UK Resisant

ROHS
INSTALLATION SPECIFICATIONS

Wadrrum Allowed Systair Vallage

Compatible inverters:

OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREDGE INVERTER)

m/ft #/# 7.7.7

W.A.

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<b>6</b>	Next generation maintenance with module

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-310-+-857/--40 c.+25 IPSS/NDMA6P

Dürput Wine tengah Oberatng Tempiranus Range<sup>a</sup> Protector Rating

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0.678 SP Double Installed AMC4

X.

Three Phase for 208V and

Single phase

PV System Design Using a SolarEdge Inverter\*\*\* Minimum Stang Length P320, P343, Power Optimizers)

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conos К.

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snapnrack.com

snapnrack.com

## SnapNrack SpeedSeal<sup>TM</sup> Foot

Patent Pending Lag Driven Sealant Solution for Ultra Rail



- Innovative design incorporates flashing
- 100% waterproof solution
- Sealing cavity with compressible barrier

No added holes from ripping up nails, staples and

screws holding shingles on roof

Sealant fills around lag screw keeping roof and

structure sealed and intact

Integrated Flashings. No Questions.

# Maintain the Integrity of the Roof by Eliminating Disruption

- Zero prying of shingles
- Zero removal of nails leaving holes in the roof
- Roof remains installed the way manufacturer meant it to be

### Lag Driven Sealant Waterproofing

- Time Tested Roof Sealant provides lasting seal
  - Sealant is compressed into cavity and lag
    - hole as attachment is secured to rafter
- Technology passes UL 2582 Wind Driven Active sealant solidifies bond if ever touched by liquid
- Rain Test and ASTM E2140 Water Column Testing standards. Patent Pending.

### Single Tool Installation

tool necessary to secure the mount as well continued as a 1/2" socket is still the only to develop a complete system that only SnapMrack was the first in the industry requires a single tool. That tradition is as all other parts of the system.

### A New Generation of Roof Attachments

- reliability into a single roof attachment
- secures sealant in place & fills voids

 No more need for a pry bar to rip up shingles

Less Time, Less Parts. Less Tools.

- No more proprietary lag screws
  - Single Tool installation with 1%socket

### One Tool. One Warranty. Total System Solution

straightforward intuitive install · SnapNrack Ultra Rail is a

experience on the roof without

· Built-in Wire Management & Aesthetically pleasing features designed for Ultra Rail compromising quality, aesthetics & safety, all supported by a 25 year warranty. result in a long-lasting quality install that installers and homeowners love.



SnapNrack Ultra Rail System has been evaluated by Underwriters Laboratories (UL) and Listed to UL/ANSI Standard 2703 for Mechanical Loading and Fire. Additionally it is listed to UL 2582 for wind-driven rain and ASTM 2140.



contact@snapnrack.com



www.snapnrack.com



Lag straight to a structural member, no in-between

components such as flashings or bases.

It's that simple!

SnapNrack SpeedSeal<sup>TM</sup> Foot

Fastest Roof Attachment in Solar

### TOWN OF MESILLA ZONING APPROVAL

John Engel 644-5615

### PERMISSION TO CONDUCT WORK

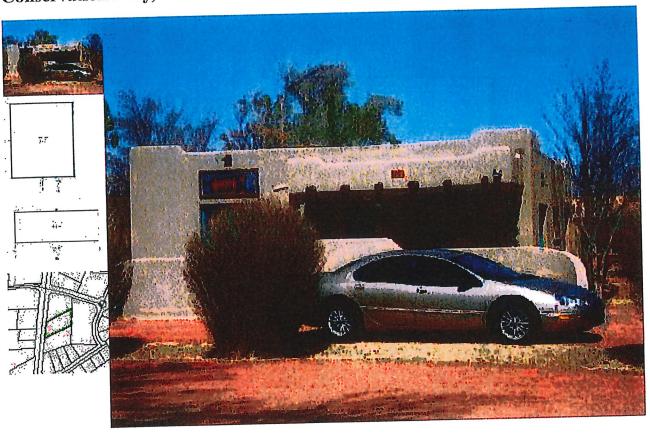
OR

OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

2231/Avenida de Mesilla, P.O. Box 10, Mesilla, NM 88046 (575) 524-3262 ext. 104

	SENO. ZONE: _	CODE:	APPLICATION	
Daila	s & Coctus Properties	: 110.	575-523-4	7444
	of Property Owner		Property Owner's Telephone N	umber
179	9 Avinida De Mesi		, MM	88005
Proper	ty Owner's Mailing Address	City	State	Zip Code
Proper	ty Owner's E-mail Address	0 1/ 7	c. P.O. Box 100	c Messilla F
Contra	bror's Name & Address (If none, indica	Builders Lucate Self)	•	
. 57	5-805-3141	03-0957		1958
/Contra	ctor's Telephone Number	Contractor's Tax ID		's License Number
Addres	ss of Proposed Work: 1865 f	trenida d	e Mesilla	
Descri	ption of Proposed Work: Rowi	idel existi	Ut RESTROOMS	AND ADD
Di	VIDING WALL FOR	OFFICE		the state of the s
	-2	De la companya della companya della companya de la companya della		
\$ 27	2,450 m	( dente	/	1-12-21
Estim	ated Cost Signature of	Applicant	Date	
	1/un	no boulor	12.21-21	
	he exception of administrative approv			
	PPLICATION SHALL INCLUDE ALL O		adjoining otracto drivous.	c), improvements & sathack
THIS AI	Plot plan with legal description to	show existing structures	s, adjoining streets, driveway(	s); improvements & setback
		show existing structures	s, adjoining streets, driveway( led through the Town of Mes	s); improvements & setback illa or that the lot has been
1 2.	Plot plan with legal description to Verification shall show that the kill existence prior to February 1972. Site Plan with dimensions and detail	show existing structures t was <u>LEGALLY</u> subdivid	s, adjoining streets, driveway( led through the Town of Mes	s); improvements & setback illa or that the lot has been
2	Plot plan with legal description to Verification shall show that the lot existence prior to February 1972.  Site Plan with dimensions and detail Foundation plan with details.	show existing structures t was <u>LEGALLY</u> subdivid is.	s, adjoining streets, driveway( led through the Town of Mes	s); improvements & setbact
2 3 4	Plot plan with legal description to Verification shall show that the kill existence prior to February 1972. Site Plan with dimensions and detail	show existing structures t was <u>LEGALLY</u> subdivid is.	s, adjoining streets, driveway( led through the Town of Mes	s); improvements & setbact illa or that the lot has been
1 2 3 4 5	Plot plan with legal description to Verification shall show that the kill existence prior to February 1972.  Site Plan with dimensions and detail Foundation plan with details.  Floor plan showing rooms, their use Cross section of walls  Roof and floor framing plan	show existing structures t was <u>LEGALLY</u> subdividus. ls. sand dimensions.	s, adjoining streets, driveway( led through the Town of Mes	s); improvements & setbact illa or that the lot has been
234568	Plot plan with legal description to Verification shall show that the kill existence prior to February 1972. Site Plan with dimensions and detail Foundation plan with details. Floor plan showing rooms, their use Cross section of walls Roof and floor framing plan Proof of legal access to the property	show existing structures t was <u>LEGALLY</u> subdividus. ls. sand dimensions.	s, adjoining streets, driveway( led through the Town of Mes	s); improvements & setbact illa or that the lot has been
1 2 3 4 5 6 8 9	Plot plan with legal description to Verification shall show that the lot existence prior to February 1972.  Site Plan with dimensions and detail Foundation plan with details.  Floor plan showing rooms, their use Cross section of walls  Roof and floor framing plan  Proof of legal access to the property Drainage plan.  Details of architectural style and col-	show existing structures t was <u>LEGALLY</u> subdividus. s and dimensions.  note the content of the	led through the Town of Mes ded for Historical zones) ~ diag	illa or that the lot has been . rams and elevations.
1 2 3 4 5 6 8	Plot plan with legal description to Verification shall show that the kill existence prior to February 1972.  Site Plan with dimensions and detail Foundation plan with details. Floor plan showing rooms, their use Cross section of walls Roof and floor framing plan Proof of legal-access to the property Drainage plan. Details of architectural style and coll Proof of sewer service or a cop	show existing structures t was <u>LEGALLY</u> subdividuals. s and dimensions.  cor scheme (checklist includy of septic tank permit)	led through the Town of Mes ded for Historical zones) ~ diag	illa or that the lot has been . rams and elevations.
1 23:4 56 890,1,	Plot plan with legal description to Verification shall show that the kill existence prior to February 1972. Site Plan with dimensions and detail Foundation plan with details. Floor plan showing rooms, their use Cross section of walls Roof and floor framing plan Proof of legal access to the property Drainage plan.  Details of architectural style and color	show existing structures t was <u>LEGALLY</u> subdividuals. s and dimensions.  or scheme (checklist includy of septic tank permities).	led through the Town of Mes ded for Historical zones) ~ diag proof of water service (well	illa or that the lot has been  rams and elevations.  permit or statement from t

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3 BK 247 PG 309-			
310 2 <u>BK 236</u> PG 527			
1 BK 153 PG 398			

Conversion 4006137229231

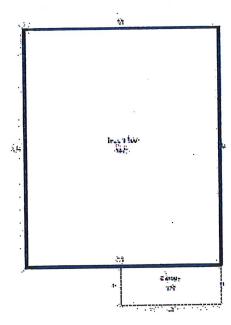
Conversion 4006137229231

Conversion 4006137229231

**Images** 

Tax Year	Tax	es
	2021	\$5,391.08
	2020	\$4,676.40

PhotoSketchGIS



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Location	Owner Information	Assessment	t History	Samuel Williamstein Die Zustammen Ausbertein und serviche
Situs Address 1801 S HIGHWAY 28	Owner Name POULOS & COATES	Actual (2021)	•	\$557,103
1799 S HIGHWAY 28	PROPERTIES LLC	Primary Taxa	ble	\$185,701
Deed Holder	Owner Address 1802 AVENIDA DE MESILLA	Tax Area:	2DIN_NR 27.76300	
Tax Area 2DIN_NR - 2DIN_NR  Parcel Number 4-006-137-229-231	LAS CRUCES, NM 88005	Туре		essed SQFT
Legal Summary S: 25 T: 23S R: 1E BRM 11B TR 3		Non- Residential Land	\$277,480	\$92,493 39640.000
Neighborhood S11 - MESILLA		Non-	,	\$93,208 3054.000

					•*		
Transfer Record	Reception	Book	Sale Date	Grantor	Grantee	Дос Туре	Parcel Number
Sequence	Number 2020842	Page	08/20/2020	KABO, DORIANNE J	POULOS & COATES PROPERTIES LLC	<u>A1</u>	4006137229231
<u>16</u>	0510168		04/01/2005	SAMAGON LLC	KABO,DORIANNE J ETVIR CAMP,STEPHEN L ETUX	<u>A2</u>	4006137229231
<u>15</u>	0312461		04/11/2003	KABO, DORIANNE J	SAMAGON LLC	<u>A2</u>	4006137229231
<u>12</u>			03/28/2001	HESTER, MELVIN L ETAL HESTER, SANDRA B ETAL	KABO, DORIANNE J	<u>A1</u> .	4006137229231
<u>13</u>	<u>967399</u>		03/29/1996	PIRTLE,PAUL E-TRSTE-ETAL PIRTLE,BEVERLEY-TRSTE-ETAL PIRTLE FAMILY TRUST ETAL	HESTER, MELVIN L ETUX	<u>A1</u>	4006137229231
10	067209		08/19/1993	FLANAGAN,STEPHEN T ETUX	PIRTLE FAMILY TRUST	<u>A1</u>	4006137229231
<u>12</u> 11	967398 967542		08/16/1993	BOLDT,BENJAMIN J-TRSTE-ETAL MESILLA PLAZA TRUST ETAL	<u>FLANAGAN,STEPHEN T</u> <u>ETUX</u>	<u>A1</u>	4006137229231
	MISC 294					Conversio	n 4006137229231
<u>10</u>	PG 105-09 MISC 294			,		Conversio	n 4006137229231
2	PG 99-103					Conversio	n 4006137229231
<u>8</u>	MISC 287 PG 81-84						
		'	03/16/1992	HUNGERFORD INSULATION	BOLDT,BENJAMIN J-TRSTE- ETAL MESILLA PLAZA TRUST ETAL	<u>A1</u>	4006137229231
٤	BK 311 PG 568-69	9				Conversion	on 4006137229231
4	BK 265 PG 843- 844					Conversion	on 4006137229231
:	BK 257 4 PG 427- 428			•		Conversion	on 4006137229231

MEANS OF EGRESS NO: OF EXTIS 3'-0"
EXTI WIDTHS PROVIDED 3'-0" (width req. 3'-0")
MAXIMUM DISTANCE TO EXTIS 50' REMODEL SQ:FT. CALCULATION TABLE TOTAL AREA REMODEL OCCUPANCY GROUP IS BUISNESS 350 s.f. net at NEW INTERIOR OFFICE/RESTROOM BUILDING NON SPRINKLED otal Occupant Load = (NEW AREA ONLY) 3.5 OCUPANTS SQ.FT. 350

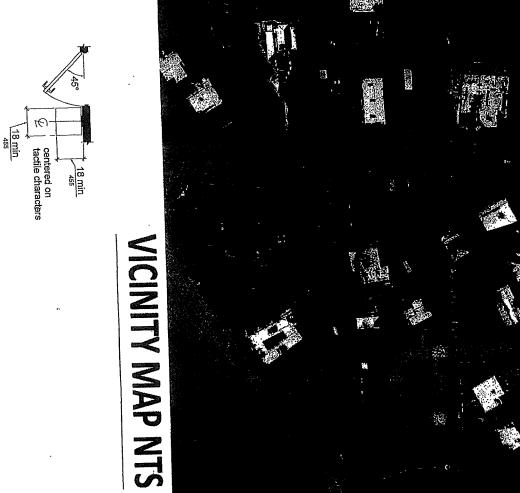
NOTE: INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE TACTILE.
WHERE PICTORIAL ARE PROVIDED AS DESIGNATIONS OF INTERIOR AND SPACE, THE PICTOGRAMS SHALL HAVE TACTILE TEXT DESCRIPTIO SIGNS REQUIRED TO PROVIDE TACTILE CHARACTERS AND PICTOGRAPHS SHALL COMPLY WITH ICC A 117.1 NOTE: A TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

יאסאייט אטדמיניט אימינט אר זימיניט איאיט 'אראי' איאיס אימיניס אימיניס אימיניס אימיניס אימיניס

FLOOR PLAN/NEW ELECTRICAL LAYOUT RESTROOM O'DROP CLG! 9 Š  $\langle \omega \rangle$ (2) DEMO PLAN

SCALE: 1/4" = 1"-0"DENOTES NEW 2X4 OR 2X6 16" a.c. WOOD FRAME WALL

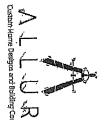
SCALE: 1/4" = 1'-0"





Google Earth

**REVISIONS: 1 ISSUED PERMIT:** 



# JILDING & CODE DATA

PPLICABLE CODES AND REQUIREMENTS:

2015 INTERNATIONAL BUILDING CODE 2015 EIEC(BATHROOMS)

ANSI
2015 INTERNATIONAL FIRE CODE
2015 MPC
2015 UPC
10WN OF MESILLA DESIGN STANDARDS

	TMTM DISTANCE TO EXITS 50'
	WIDTHS PROVIDED 3'-0". (width req. 3'-0")
	NS OF EGRESS NO: OF EXITS 3'-0"
	Occupant Load = (NEW AREA ONLY) 3.5 OCUPAN IS
•	
	JOUEL
	s.f. net at NEW INTERIOR OFFICE/RESTROOM
350	IL AREA REMODEL OCCUPANCY GROUP B BUISNESS
1. T.	DING NON SPRINKLED
	FT. CALCULATION TABLE

PROPOSED OCCUPANCY

"B" BUSINESS

PROPOSED HEIGHT: VARIES PER SLOPE (PARAPET TO MATCH)

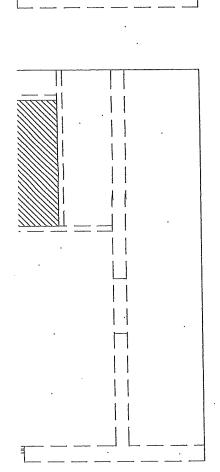
CONSTRUCTION TYPE:

"II-B"@ INTERIOR WALLS WOOD FRAMING

NOTE:

NEW BULDING AREA TO PREFORM OR EXCEED EIEC STANDARDS.

WHERE PICTORIAL ARE PROVIDED AS DESIGNATIONS OF INTERIOR AND SPACES SHALL BE TACTILE, WHERE PICTORIAL ARE PROVIDED AS DESIGNATIONS OF INTERIOR AND SPACE, THE PICTOGRAMS SHALL HAVE TACTILE TEXT DESCRIPTIONS. SIGNS REQUIRED TO PROVIDE TACTILE CHARACTERS AND PICTOGRAPHS SHALL COMPLY WITH ICC A 117.1 NOTE: A TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXITERIOR AREA FOR ASSISTED RESCUE, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.



11

RESTROOM 7-4" SHEETROCK'A

## FLOOR PLAN/NEW ELECTRICAL LAYOUT

SCALE: 1/4"=1-0"

### GENERAL DEMOLITION NOTES

- THE CONTRACTOR SHALL DISCONNECT AND ASSOCIATED WITH DEMOLITION. REMOVE ELECTRICAL WIRING, CONDUIT, ETC.,
- TO THE POINT THAT IT BECOMES INACCESSIBLE. MUST BE REMOVED BACK TO THE SOURCE OR ALL CONDUIT AND WIRING THAT IS REMOVED
- Ψ ETC.) SHALL BE REMOVED. ABANDONED CONDUIT/TUBING AND EQUIPMENT BACK TO THE SOURCE. THE ACCESSIBLE PORTIONS OF ABANDONED POWER WIRING WILL BE REMOVED ABANDONED CABLES (VOICE, DATA, VIDEO, ALARM, SHALL BE REMOVED. THE ACCESSIBLE PORTIONS OF
- CONNECT EXIT LIGHT TO THE SAME CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THIS

### LIGHT FIXTURE SCHEDULE

MARK MANUFACTURER

CATALOG#

DUALLITE

LXURWE

TYPICAL LED FIXTURE

KEYED LIGHTING PLAN NOTES

NEW EXHAUST FAN TIE TO LIGHT CIRCUIT

NEW LIGHTING TO TIE TO EXISTING CIRCUITS.

MOUNTED WITH THE TOP OF THE DEVICE NO HIGHER THAN SPECIFICALLY; MOUNT APPLICABLE SWITCHES, RECEPTACLES, AND ENVIRONMENTAL CONTROLS SO THAT THEY ARE ACCESSIBILITY CODES ADOPTED FOR NEW MEXICO. ELECTRICAL DEVICE INSTALLATION SHALL COMPLY WITH

DEVICES ABOVE A COUNTERTOP OR OTHER OBSTRUCTION

SHOULD COMPLY WITH ICC/ANSI 117.1-2003 SECTION 308 INCHES (15INCHES) ABOVE THE FINISHED FLOOR. ELECTRICAL AND THE BOTTOM OF THE DEVICE NO LOWER THAN FIFTEEN FORTY-EIGHT INCHES (48INCHES) ABOVE THE FINISHED FLOOR

### DEMO PLAN

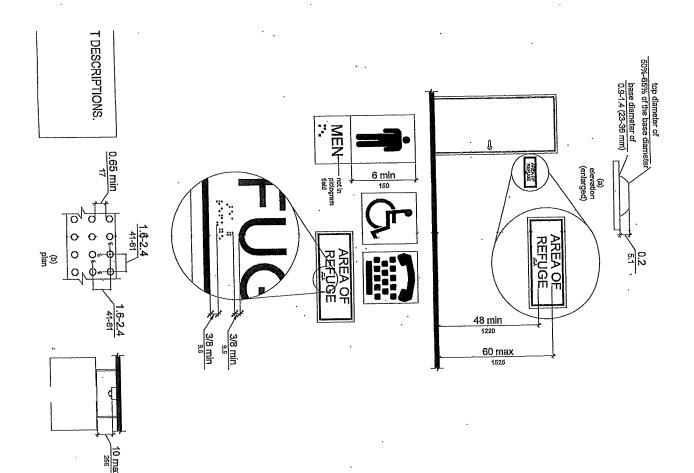
SCALE: 1/4" H

### NOTES:

- 1.) ALL DOORS SHALL BE NON-LOCKING IN THE DIRECTIONS OF EGRESS.
- 2.) ALL INTERIOR DOORS SHALL BE PROVIDED W/LEVER HANDLE SETS, INCLUDING THUMB TURN.
- 3.) ALL INTERIOR DOORS SHALL BE SOLID CORE DOORS.
- 4.) ALL DOORS TO HAVE BRAIL SIGNS THAT COMPLY TO ALL ANSI CODES & REQ'S.
- ALL DOOR HARDWARE FINISHES PER CONTRACTOR
- 6.) DOOR STYLE BASED ON AVAILABILITY WILL BE DECIDED BY CONTRACTOR.
- 7.) ALL INTERIOR PARTITIONS SHALL BE 2X4 16" o.c. OR 24" o.c.
- 8.) ALL EXTERIOR DOORS SHALL HAVE PANIC HARDWARE, A DOOR-LATCHING ASSEMBLY INCORPORATING A DEVICE THAT RELEASES THE LATCH UPON THE APPLICATION OF A

FORCE IN THE DIRECTION OF EGRESS TRAVEL.

NOTE: A TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. WHERE PICTORIAL ARE PROVIDED AS DESIGNATIONS OF INTERIOR AND SPACE, THE PICTOGRAMS SHALL HAVE SIGNS REQUIRED TO PROVIDE TACTILE CHARACTERS AND PICTOGRAPHS SHALL COMPLY WITH ICC A 117.1 NOTE: INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE TACTILE



ТВД

GENERAL CONTRACTOR

HE STRUCTURAL INTEGRITY OF THIS ROJECT IS THE RESPONSIBILITY OF THE REPRODUCTIONS HEREOF USED THE WRITTEN PERMISSION.

PROJECT

1801 AVIENDA DE M

FLOOR PLAN/DEMI
ELECTRICAL LAYOU

DRAWN BY: S.GREEN
CHECKED BY: J.ENGEL
DATE: 11/3/2021
SHEET NUMBER: S. 1

### TOWN OF MESILLA ZONING APPROVAL

OFFICIA	ALUSE ONLY;
Case #	06/329
Fee\$	

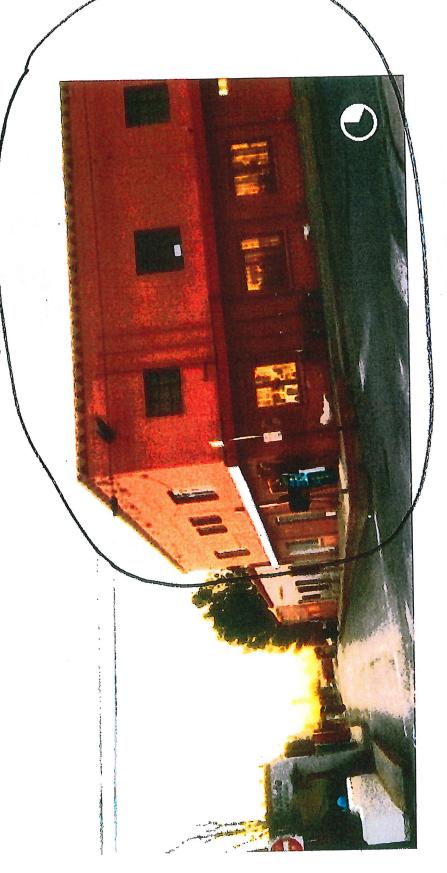
### PERMISSION TO CONDUCT WORK

OR

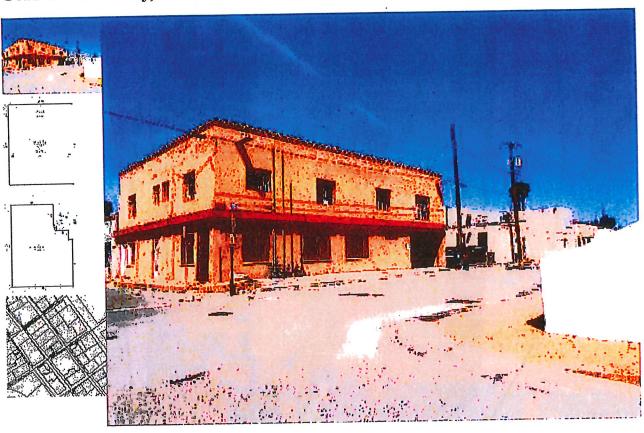
OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

	2231 Avenida de Mesilla, P.C					-
CASE NO	ZONE:	CODE:		APPLICATION DA	I E.	-
Wieni	18 Hadfield	and the second s	575 Property Owner	-202-89 er's Telephone Numb	5/ ·	
O// Wiperty Owner's	Malling Address	MIN.	. <i>980 []</i> State		Zip Code	
fulle perty Owner's	nni Cuciny (	WADLICE	Dec .		20.007	
MANK tractor's Nan	ie & Address (If none, Indicate	50 X 794	Fairacre	S, Ninks	1117 1073	-
75 - <i>Lo</i> tractor's Tele	42-5642 ephone Number	Contractor's Tax	ID Number	Contractor's L	icense Number	
iress of Propo	osed Work: <u>2000</u>	calle de	Pavian	Mesilla		-
scription of Pr	oposed Work; Paint	building	SAME.	historica	MA DOUNE	los
DYOX	TO years IF	ears, ci	to assign	me Correct	+ color, Nopn	okm.
BW.	60 Signature of App		<del>~</del>	Date	9/22	_
		M.	$\sim$			
gnature of pro	on of administrative administrative	all nermit request	must undergo a	review process fro	n staff, PZHAC and/or B0	<u></u> от
n the excepti ore issuance	of a zoning permit Plan shee	ts are to be no large	r than 11 x 17 inc	hes or shall be subn	nitted electronically.	-
		FOR OFFICIAL	L USE ONLY			
HAC	☐ Administrative Approva	}	BOT		Date:	
	☐ Approved Date:			• • • • • • • • • • • • • • • • • • • •	ed Date:	-
	☐ Disapproved Date:			☐ Approved	with Conditions	
	☐ Approved with condition	ns ·			, ,	
HAC APPRO	VAL REQUIRED: YES	_NO BOT A	PPROVAL REQU	IIRED:YES _	NO	
O PERMIT/IN	SPECTION REQUIRED:	YESNO	SEE CONDI	TIONS	•	
NDITIONS: _				···		
			· · · · · · · · · · · · · · · · · · ·			
MISSION IS	SSUED/DENIED BY:			ISSUE DA	TE:	
APPLICATION	ON SHALL INCLUDE ALL OF 1	HE FOLLOWING:				
Plot pla	an with legal description to sition shall show that the lot w	now existing structi	ires, adjoining st	treets, driveway(s),	improvements & setbac	ks.
existenc	ce prior to February 1972.	as <u>LEGALLI</u> supc	nvidea mitagii n	le fown of wiesing	of that the lot has been	
Site Pla	n with dimensions and details.					
Floor pla	tion plan with details. an showing rooms, their uses a	nd dimensions.				
Cross s	ection of walls			•		\P/
Roof an	d floor framing plan f legal access to the property.			•	•	I now
Drainag	e plan.					$\mathcal{M}_{\mathcal{M}}$
Details	of architectural style and color of sewer service or a copy of	of septic tank pem	cluded for Historic nit; proof of wat	cal zones) – diagram er service (well pe	s and elevations. rmit or statement from	the
Proof of	Jtility providing water services). f legal access to the property. nformation as necessary or requ	irad by the City Cor	la or Community	Pevelonment Denart	ment (See other side \	<b>'</b> \'
Other in	normation as necessary of requ	med by the city COL	io or wominianisty r	Service in Dehall	1.	0 Co
4	Then MAN	man	Anch.	ndi D	DOG DOU	le C
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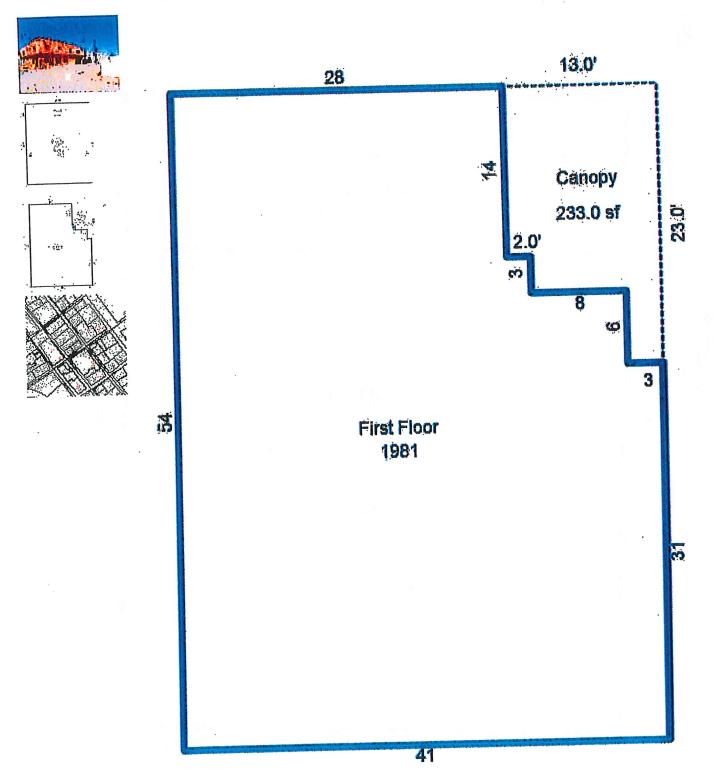
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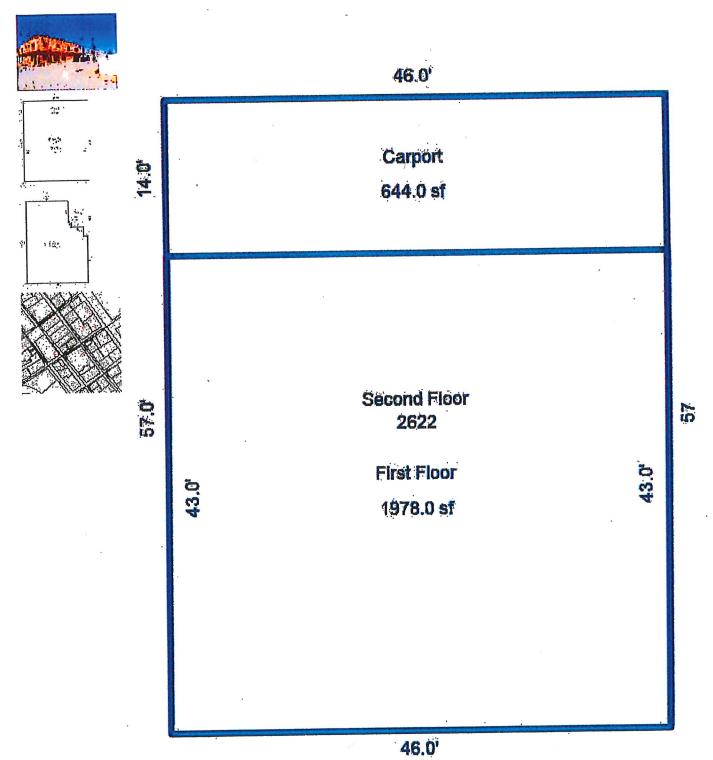
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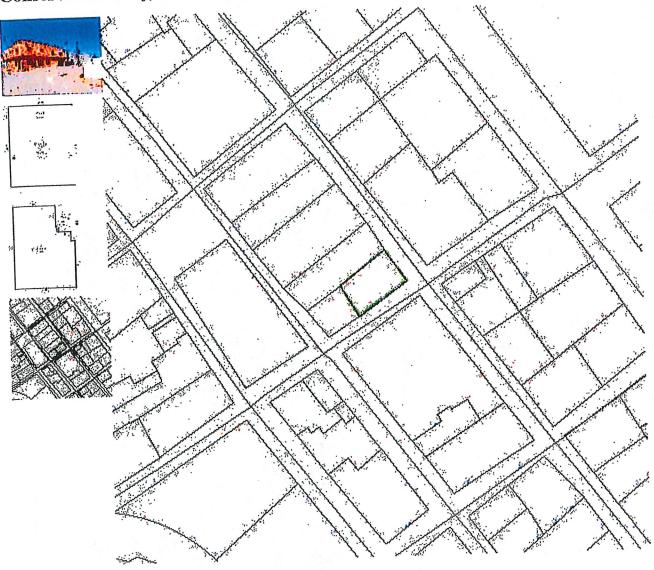
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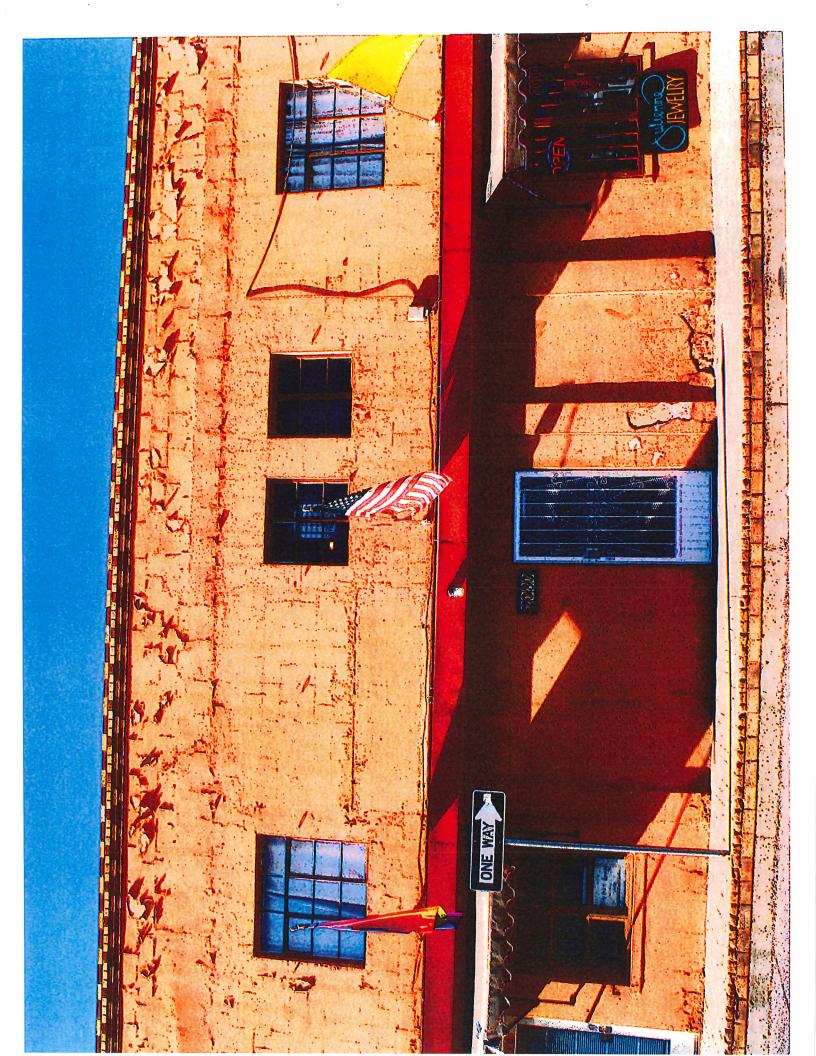


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### TOWN OF MESILLA ZONING APPROVAL

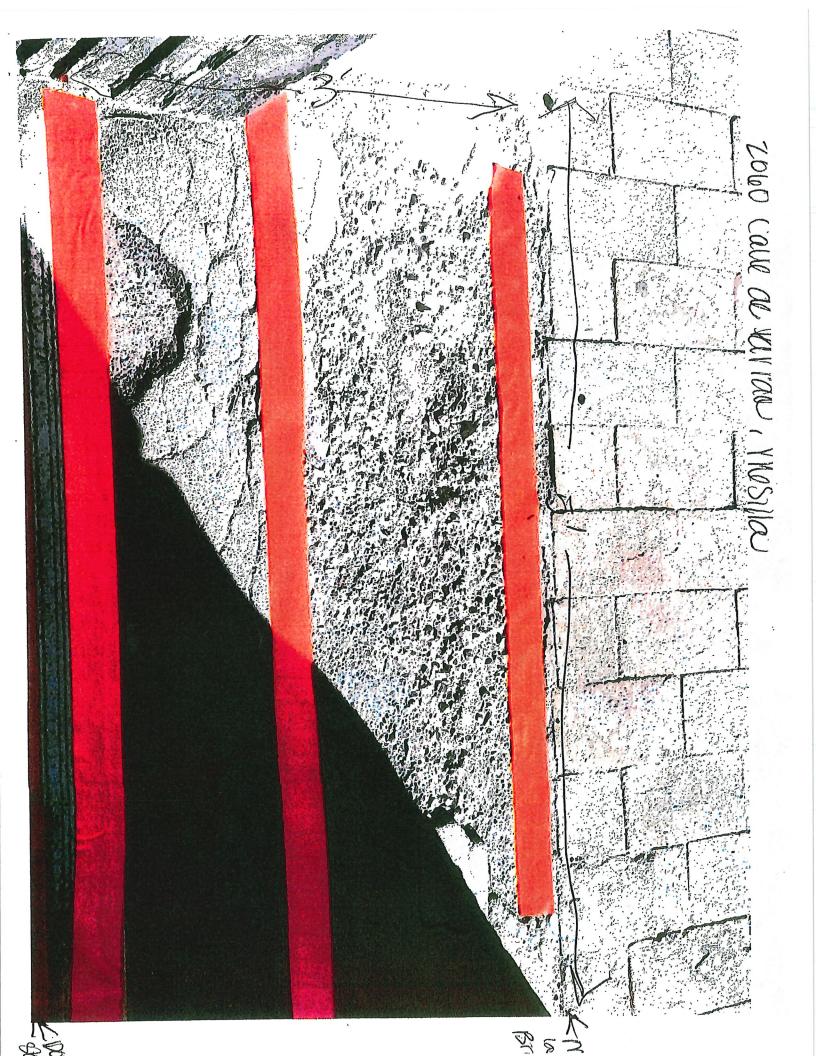
OFFICIAL USE ONLY Case # 66 / 560 Fee \$

### PERMISSION TO CONDUCT WORK

OR

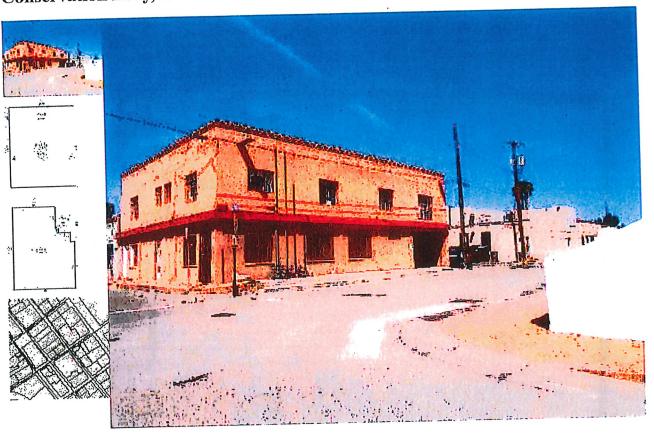
OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

	2231 Avenida de l	Mesilla, P.O. Box 1	0, Mesilla, NM 880	46 (575) 524-3262 6	ext. 104	
CASE NO	)Z(	ONE:C	CODE:	APPLICATIO	N DATE:	
Tulen Name of Prope	he Haottel	d NO	Propert	75 -207-8 y Owner's Telephone	893) Number	
Property Owns	er's Mailing Address	my a compar	DLICON.	State	Zip Code	
Contractors in 15	Address (If non- -642-504)	e Jindicate Self)	9 667 19 10 Number	racres, N	62426873 675 License Number	
Contractor's To 575 Address of Pro	642-5642	2060		Pavian, n		U,
as he	S Moumai	worrai			rs, Mako Smoot	hagain,
\$ 50 Estimated Co	Ke 14 to Code.	titre of Applicant		Date	119/22	
	property owner:	M				l.
With the exception before Issuant	otion of administrative se of a zoning permit.	approvals, all perm Plan sheets are to b	it requests must und se no larger than 11 x	ergo a review proces 17 inches or shall be	s from staff, PZHAC and/or BOT submitted electronically.	<u>'</u>
		FOR O	FFICIAL USE O	NLY		
PZHAC	☐ Administrativ	e Approval	BOT	□ Appr	roved Date:	81
	□ Approved Da	ate:		□ Disa	pproved Date:	
	□ Disapproved	Date:		☐ Appr	oved with Conditions	
	□ Approved with				•	
PZHAC APPR	OVAL REQUIRED:	_YESNO	BOT APPROVAL	REQUIRED:YE	SNO	
CID PERMIT/I	NSPECTION REQUIR	RED:YES	NO SEE 0	CONDITIONS		
CONDITIONS						
PERMISSION	ISSUED/DENIED B	٧٠		ISSU	E DATE:	
LIMINOTON	IOOOLD/DLINED D		· · · · · · · · · · · · · · · · · · ·	10001	D/ 11 L.	
1 Plot p Verific exister 2 Site Pl		otion to show existing the lot was LEGAL 972.  Indicate the state of t	ng structures, adjoin		v(s), improvements & setbacks. silla or that the lot has been in	
4 Floor p	olan showing rooms, th		ions.			,
5 Cross 6, Roof a	section of walls nd floor framing plan					1.71
8 Proof o	of legal access to the p	property.				10/00 X
1 Proof Public	of architectural style a of sewer service or Utility providing water	a copy of septic t services).			grams and elevations. Il permit or statement from the	Color
	of legal access to the printernation as necessa		City Code or Commi	unity Development De	epartment (See other side.)	15411
Photo	of area	of Cona	ern a	tachal.	epartment (See other side.)  Plea Se adv	ise of

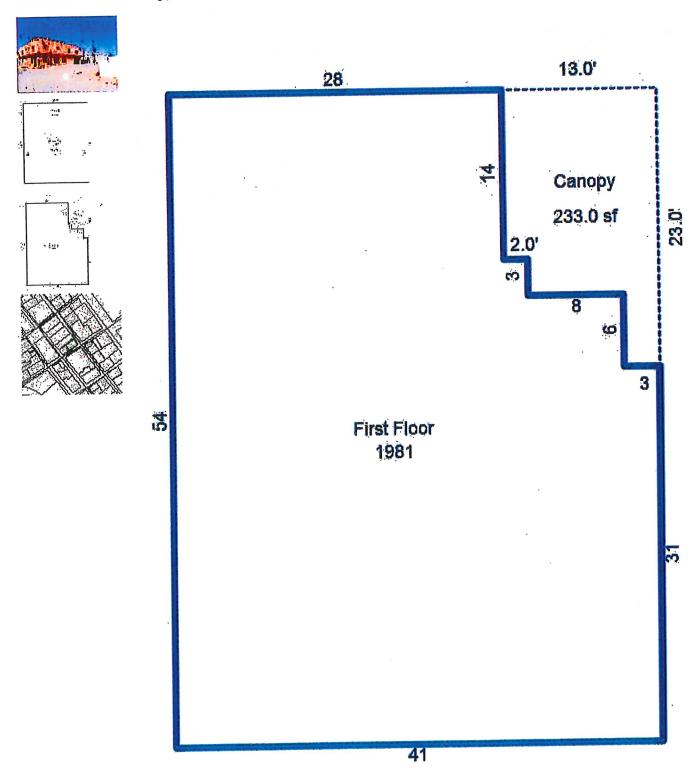




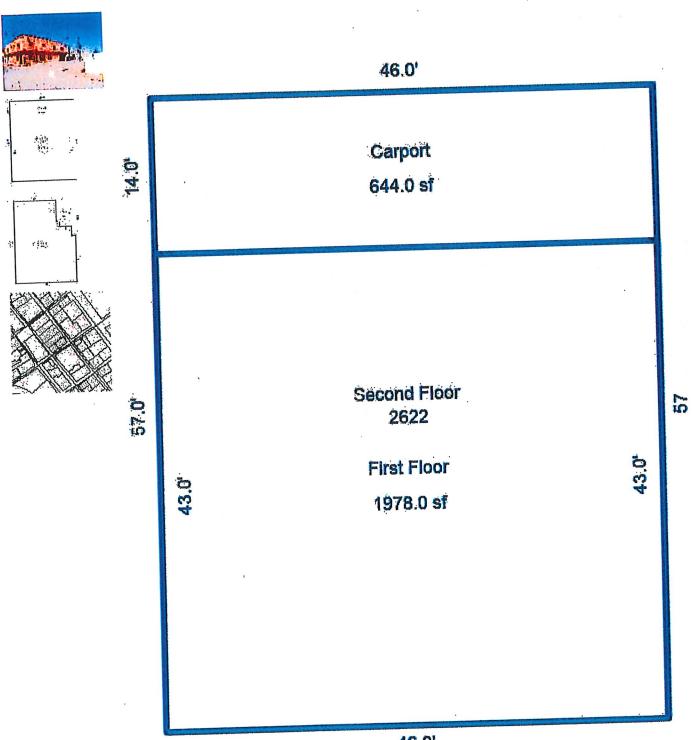
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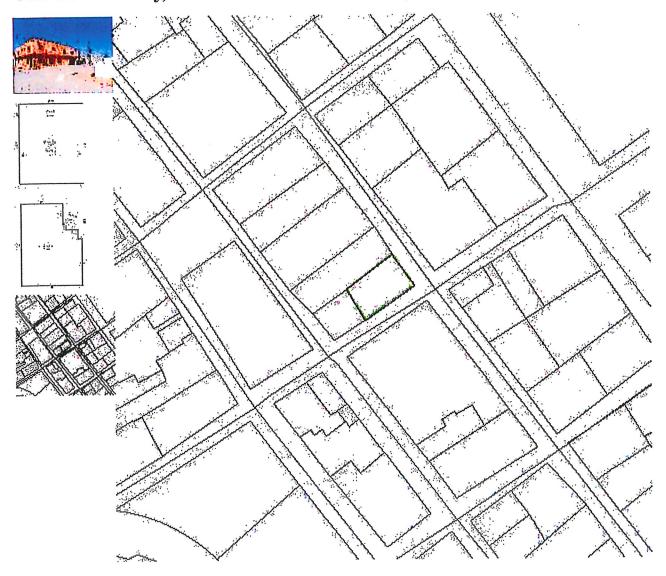
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#### TOWN OF MESILLA ZONING APPROVAL

OFFICIAL USE ONLY: Case # 06/38 | Fee \$\_\_\_\_\_

### PERMISSION TO CONDUCT WORK OR OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

223	l Avenida de Mesilla,	P.O. Box 10, Mesilla,	NM 88046 (575) 52	4-3262 ext. 10	4
CASE NO	ZONE:	CODE:	APPI	LICATION DAT	ſE:
NIA RUCK	er		Property Owner's T		
Po Box II	LOS N	<u>Nesilla</u>	NM		
Property Owner's Mai	ling Address	City	State	. /	Zip Code
Property Owner's E-n	nail Address (Rhi CL Builder Address (If none, Indica	a Hernandez S PO Box	2514 Las	Cruces	5. NM 8800
Contractor's Name & 575. U44	0.2790	Contractor's Tax II	7458 - FED D Number	Contractor's Lie	
Address of Proposed	Work: 1922 C	alle Cura	11.1.1.		do an and
Description of Propos	ed Work: Keplace	damaged ar	nd broken Ci	oncrete s	strace and
VALUE VALUE OF	aund dillolling	a repair chu	ak <i>e</i> d and b	uckina 8	stucco arouna
entire divel	ling apply i	new stucco coa	t to suid an	selling,	see attachmer
\$25,000.00		rnandel		12:15.	2
Estimated Cost	Signature of A	applicant (	1	Date	
Signature of propert	owner: Vhi	Kuel			
	f - desirable approx	als, all permit requests neets are to be no larger	must undergo a revi than 11 x 17 inches	ew process fron or shall be subm	n staff, PZHAC and/or BC itted electronically.
		FOR OFFICIAL	The second secon	T Approved	Date:
	Administrative Appro		BOT		ed Date:
	Approved Date:				
	☐ Disapproved Date: _			LI Approved	with Conditions
	☐ Approved with condi				
PZHAC APPROVAL	REQUIRED: YES	NO BOT AF	PROVAL REQUIRE	D:YES	_NO
CID PERMIT/INSPE	CTION REQUIRED: _	YESNO _	SEE CONDITIO	NS	
100000000000					•
CONDITIONS:					
DEDMISSION ISSI	ED/DENIED BY:			ISSUE DA	TE:
PERIVISSION 1990	ED/DENIED DT.				
1, Plot plan w Verification	shall show that the lo	show existing structure	res, adjoining street vided through the T	s, driveway(s), i own of Mesilla o	improvements & setback or that the lot has been
	ior to February 1972. th dimensions and detai	ls.			
<ol><li>Foundation</li></ol>	plan with details.				
4. Floor plan s 5. Cross section	nowing rooms, their use	s and dimensions.			
6 Roof and flo					
8. Proof of leg	al access to the property	<b>/.</b>			
9, Drainage pl	chitectural style and col	or scheme (checklist inc	luded for Historical zo	ones) – diagram	s and elevations.
Proof of se	ewer service or a cop providing water service	y of septic tank perm es).	it; proof of water s	ervice (well per	rmit or statement from
12 Proof of leg	al access to the property	/.	or Community Day	Jonment Donaste	ment (See other side )
3 Other inform	nation as necessary or re	equired by the City Code	or Community Deve	nopment Depart	nent (See other side.)

The following are requirements to be included with all building permit applications for new structures or additions to existing structures, as well as other construction or fixtures that will be permanent in nature and affect the appearance or use of the property. (This includes fences, well houses, storage units, metal sheds, photo-voltaic panels that can be seen from the ground, etc.)

#### **BUILDING PERMIT REQUIREMENTS**

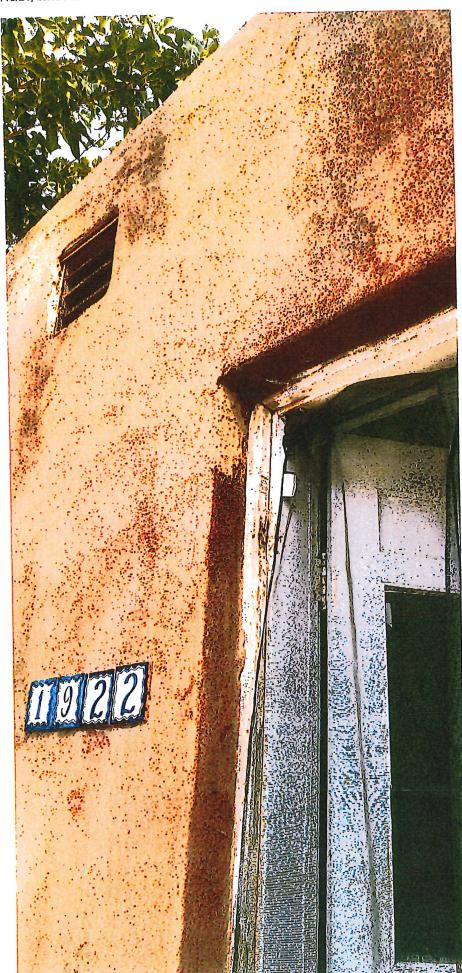
Α.	Comp	leted	app	icati	ion,	inc	lud	ing:
----	------	-------	-----	-------	------	-----	-----	------

- 1. Applicant's name
- 2. Applicant/property owners contact information
- 3. Physical address of property
- 4. Description of work to be done, including dimensions of any construction or repairs
- 5. Value of work to be done
- 6. Property owner's signature on the application

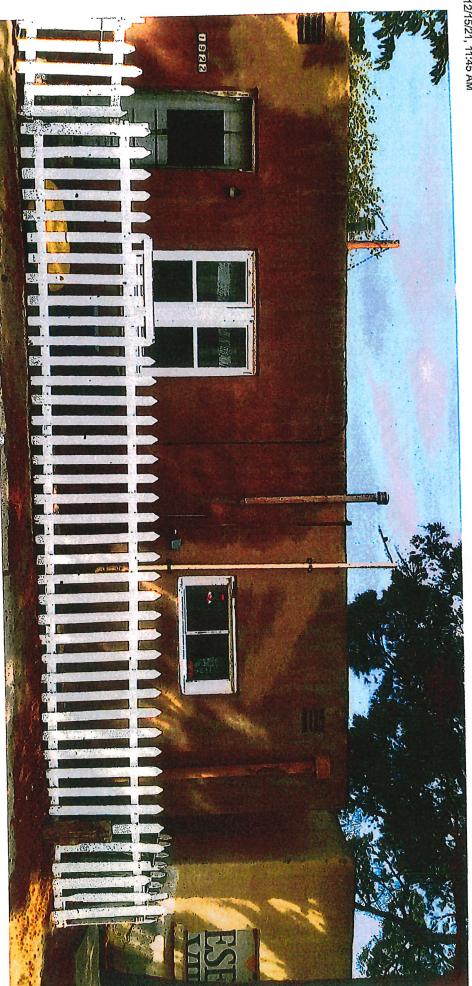
В.	Include all information required in the checklist at the bottom of the application.
c.	Additional information required:

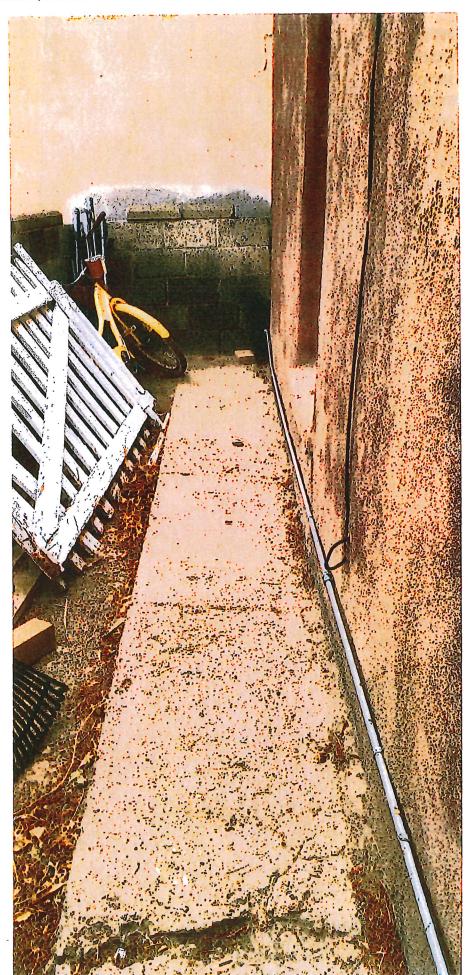
Discription of Proposed Work cont.

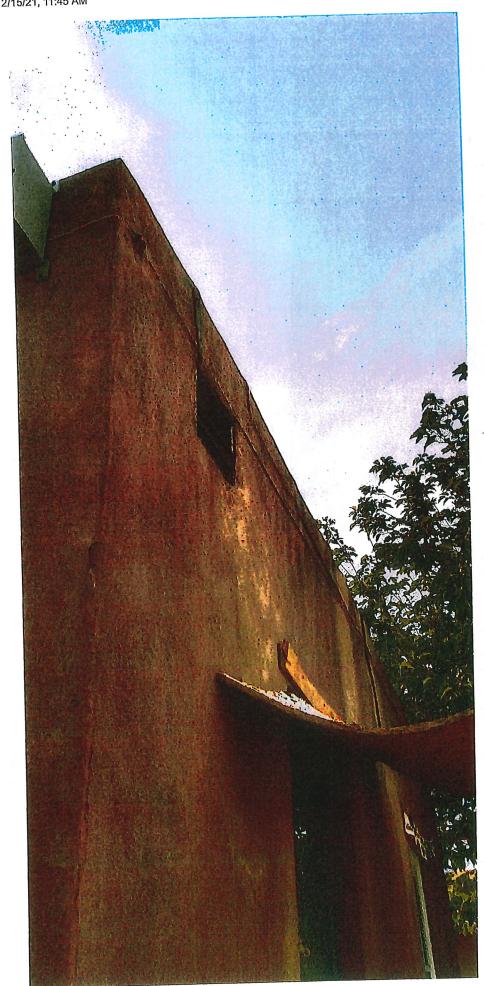
Apply silicone roof coating to roof, install new, door and install a new window in kitchen area.

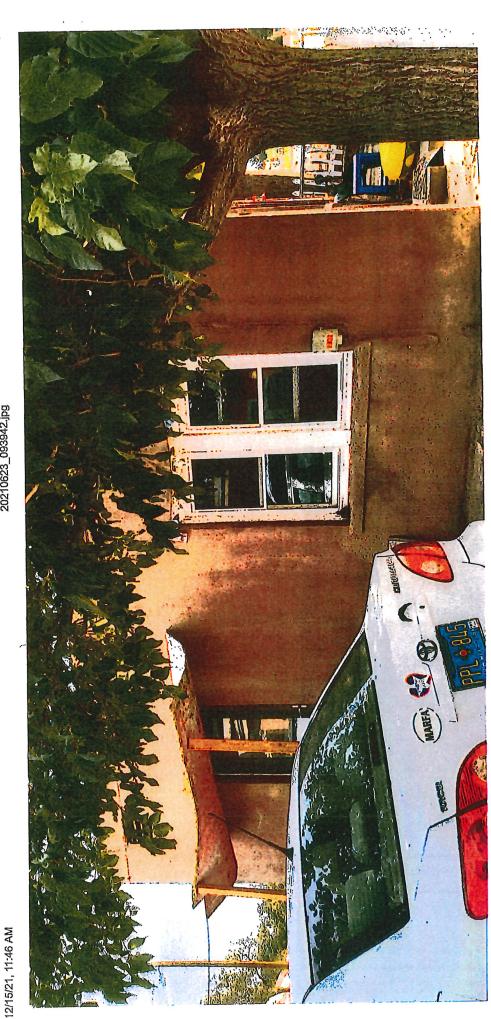


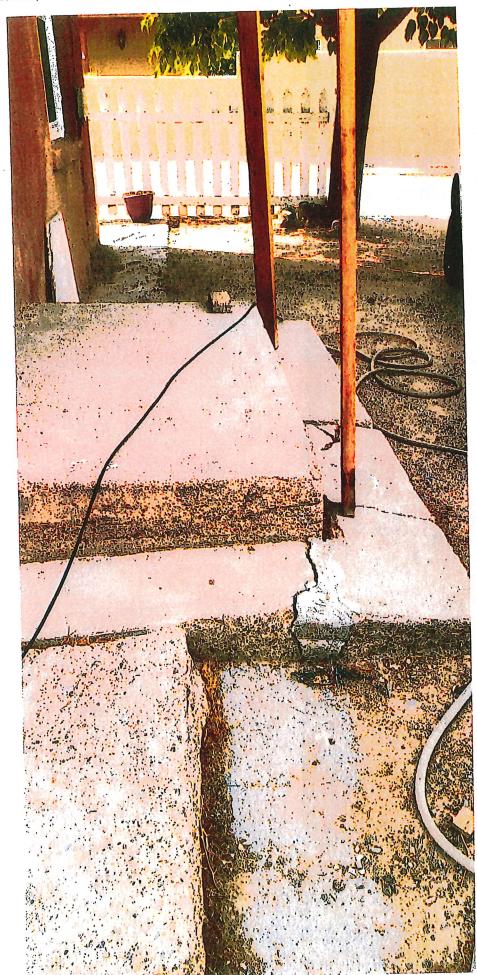
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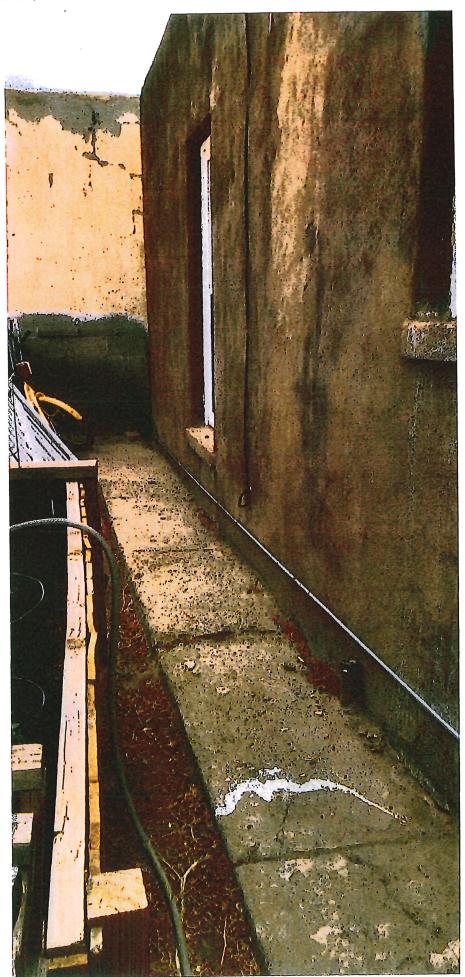


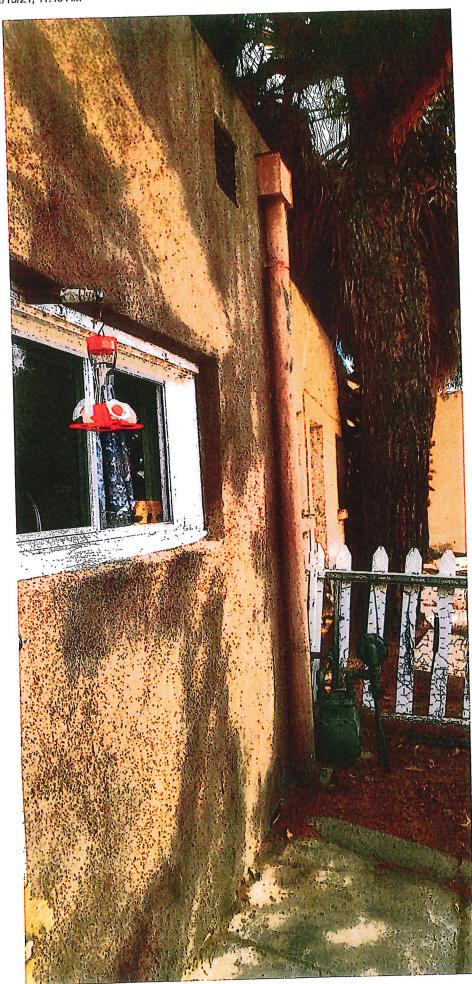


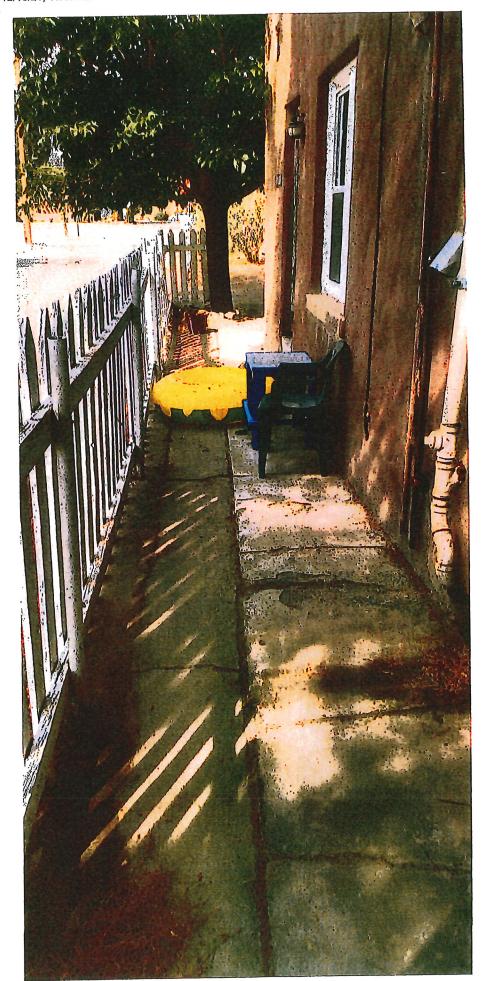


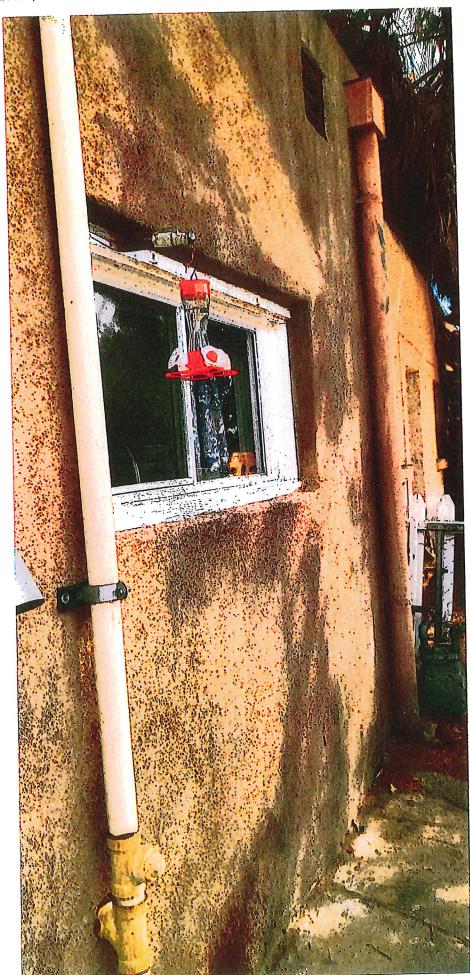




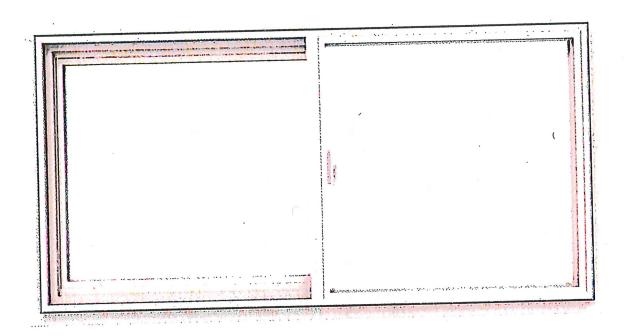






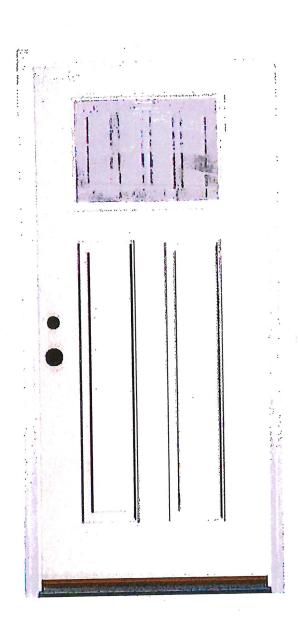


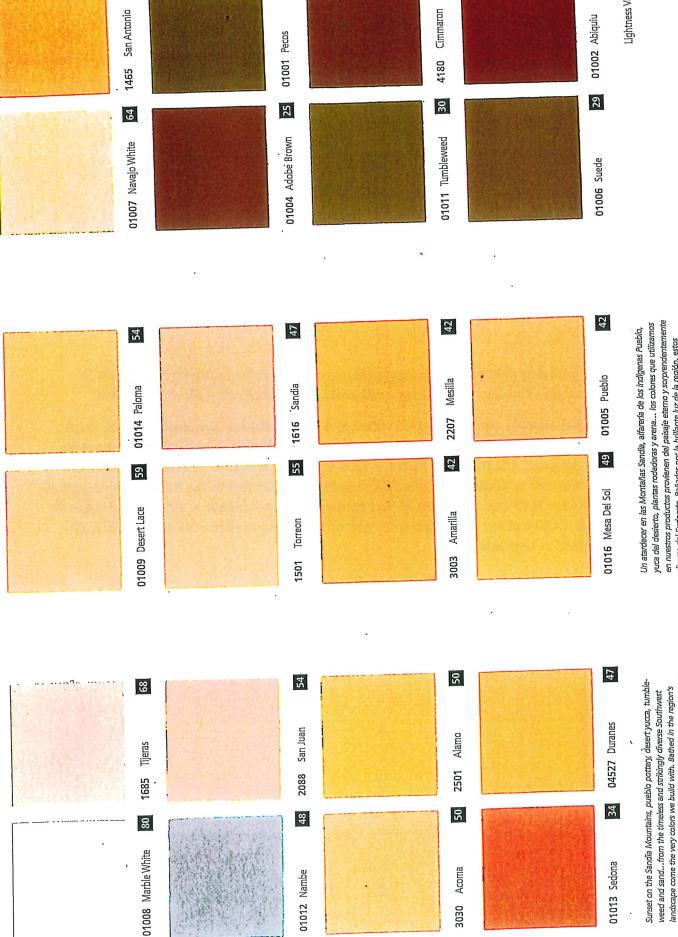
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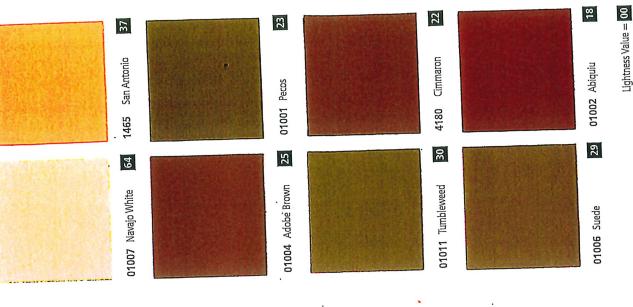
en nuestros productos provienen del paisaje eterno y sorprendentemente colores personifican la calidez y revelan una relación Intima con sus alredyuca del desierto, plantas rodadoras y arena... los colores que utilizamos edores que no se encuentra en otro lugar. Cualquier elección de nuestro cuidadosamente seleccionado grupo de colores convertirá su casa en un diverso del Sudoeste. Bañados por la brillante luz de la región, estos

surroundings not found elsewhere. Any choice from our carefully selected

color group will make your home a distinctive reflection of this natural

Southwest beauty.

brilliant light, these colors personify warmth and reveal a kinship to their



Loan Number: 6800018031

Date: JUNE 15, 2018

Property Address: 1922 CALLE DE CURA

LAS CRUCES, NEW MEXICO 88005

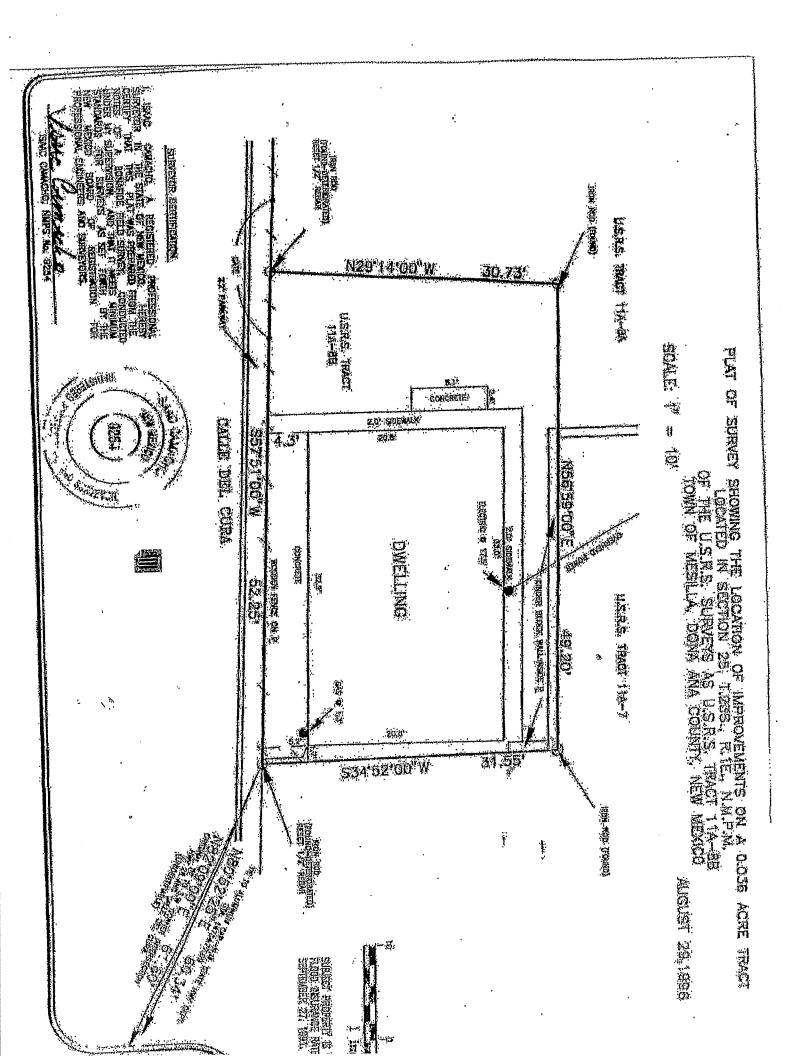
#### **EXHIBIT "A"**

#### LEGAL DESCRIPTION

A tract of land being part of U.S. Reclamation service Tract 8 of property Map 11A in Mesilla, Dona Ana County, New Mexico and more particularly described as follows:

Beginning at the southeast corner of this tract also the southeast corner of U.S.R.S. tract 11A-8 on the north side of Calle del Cura whence the southwest corner of the intersection of Highway 28 and Calle Del Cura bears N 82 deg. 09' E a distance of 61.60 feet; thence along the north side of Calle Del Cura S 57 deg. 51' W 52.25 feet to the Southwest corner of this tract; thence N 29 deg. 14' W 30.73 feet to the northwest corner of this tract; thence N 56 deg. 59' E 49.20 feet to the northeast corner of this tract; thence S 34 deg. 52' E 31.55 feet to the place of beginning.

A.P.N. #:

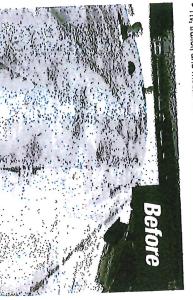


## Silicone roof protection in as little as one coat!

# and pitched roofs. Ideal for low slope

# designed for use on many existing roofs: Tropi-Cool® 100% Silicone Roof Coating is

- Aged asphalt roofs Built-Up Roofing (BUR) and Modified
- Aged single-ply roofs TPO, EPDM, PVC, and Hypalon® roofs Bitumen (MB)
- Spray polyurethane foam (SPF) roofs
- Metal roots
- Concrete roofs
- Recoating previously coated roofs
- RV, trailer, and mobile home roofs





# Easy to Use!



# Clean it!

Prepare your substrate by cleaning It



work with Tropi-Cool® 100% Silicone Roof Coating ith sealants designed to

& Repair Roof Sealant 100% Slicone Seam Henry 885 Tropi-Cool®

> 100% Stlicone Henry 384 Tropi-Cool®

to apply by brush or trowel Ready-to-use and easy

to apply by caulking gun

Ready-to-use and easy Roof Seelan

Size: 10 fl. oz.

Size: 1 gallon

Ponding water resistant

- Exceptionally versatile tough and yet flexible
- Excellent adhesion vertical and horizontal applications
- Superior UV resistance and weathering characteristics
- No hardening, chalking, crazing, or cracking
- Wide application temperature range from 35°F to 120°F (2°C to 49°C)



Apply Tropi-Cook 100% Silicone Roof Coating

Henry 887HS Tropi-Cools 100% Silicone White Roof Coating - High Solids

- Saves energy by reflecting heat
- Excellent adhesion and flexibility Long-lasting waterproof seal
- As little as 1 coat needed for application
- Rain-safe in 1 hour
- Permanent ponding water resistant
- Superior UV resistance and weathering characteristics
- VOC compliant solvent-free
- Wide application temperature range from 35°F to 120°F (2°C to 49°C)
- Mold and mildew resistant
- Sizes: 1 gallon, 5 gallon, 55 gallon Easy to apply by spray, roller, or brush















#### 887 Tropi-Cool®

100% Silicone White Roof Coating

	Typical value	Test method
Physical property		•
Appearance	Glossy white liquid	ASTM D2697
Solids Content by Volume	91% +/-3	A31(4) D2037
VOC Content (Maximum)	10 g/l	
Tensile Strength (Minimum)	300 psi	ASTM D2370
Elongation at Break (Minimum)	280%	ASTM D2370
Durometer Hardness, Shore A	42 +/- 5 points	ASTM D2240
Tack-Free Time	1 to 2 hours	-
Cure Time	2 to 6 hours	•
Solar Reflectance per CRRC (Rapid Rating)	0.90 initial and 0.85	ASTM D7897, C1549
	0.90 initial and 0.89	ASTM C1371
Thermal Emittance per CRRC (Rapid Rating)	114 initial and 107	ASTM D7897, ASTM E1980
Solar Reflectance Index (SRI) per CRRC (Rapid Rating)		ASTM D471
Water Absorption	<0.001%	
Permeability (Nominal)	4.6	ASTM E96
Flash Point	140.9 °F (60.5 °C)	ASTM D93
Shelf Life (Unopened)	24 months	•
Application Temperature (Ambient)	35 °F to 120 °F (2 °C to 49 °C)	-

#### **Approvals and Certifications**

- ENERGY STAR® certified
- Cool Roof Rating Council (CRRC) rated product: Product ID# 0620-0038
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 118(i)3
- Florida Product Approval: FL# 17412.1, 17431.3, and 17431.4
- Miami-Dade County Product Control Approved: NOA# 14-1217.01, 14-1217.02, and 14-1217.03
- UL Classified: Cements and coatings for roofing systems as to external fire exposure <74LM>
- FM Approved: Subject to the conditions of approval as a roof coating when installed as described in the current edition of the FMRC approval guide.
- Tested and certified by NSF International in accordance with NSF Protocol P151: Health Effects from Rainwater Catchment System
- Meets or exceeds ASTM D7281 Standard Test Method for Determining Water Migration Resistance Through RoofMembranes.
- Meets or exceeds ASTM D6694 Standard Specification for Liquid-Applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems.

#### Description

Henry® 887 Tropi-Cool® 100% Silicone White Roof Coating is a premium, 100% silicone, moisture-cure coating designed to reflect the sun's heat and UV rays as well as protect many types of roofs. While suitable for use in all climates, the 100% silicone chemistry is especially suited for extreme tropical environments, which are exposed to some of the hottest and wettest weather with intense UV exposure. It is specially designed to maintain maximum reflectivity of heat and UV rays as it ages. Its moisture-cure chemistry creates a very aggressive chemical bond with the roof, which allows for permanent ponding water resistance, extreme durability, and superior capabilities of sealing and protection.

#### Henry® 887 Tropi-Cool® 100% Silicone White Roof Coating

#### **Features**

- 100% waterproof
- Rain-safe in 15-minutes
- 1-coat application
- Wide application temperature range from 35 °F to 120 °F (2 °C to 49 °C)
- Lifetime limited warranty
- Saves energy by reflecting heat
- Excellent adhesion and flexibility

- Permanent ponding water resistant
- Superior UV resistance and weathering performance
- VOC compliant solvent-free
- Mold and mildew resistant
- Chemically bonds with roof substrates as it cures
- Easy to apply by spray, roller, or brush

#### Usage

Coating can be used on many different commercial or residential roof substrates to reflect the sun's heat and UV rays, as well as to help seal and protect the surface. It works well on low slope roofs and is suitable for pitched roofs. Acceptable roof types include:

- Aged asphalt roofs including Built-Up Roofing (BUR) and Modified Bitumen (MB)
- Aged single-ply and rubber roofs, including TPO, EPDM, PVC, and Hypaion® roofs
- Aged fiberglass roofs
- Spray Polyurethane Foam (SPF) roofs
- Metal roofs
- Concrete roofs
- Recoating previously coated roofs
- RV, trailer, and mobile home roofs

Not recommended over shingles of any kind.

#### **Application**

CLEAN: Before coating the roof, use a pressure washer or high pressure nozzle and water hose to wash the roof with a non-filming detergent, such as TSP or TSP substitute. Use appropriate pressure and take caution not to inject water into the roof substrate during washing. In areas with stubborn dirt, grease, or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat algae or moss. The most effective method of cleaning algae and moss from a roof is with a 50:50 mix of laundry strength liquid chlorine bleach and water. Apply with a sprayer and allow the solution to dwell on the roof surface for 15 to 20 minutes, and then rinse thoroughly with low pressure water. Extended dwell times may be necessary, however, avoid letting the solution dry completely as this may prevent complete rinsing. Take proper precautions to protect landscaping and surrounding areas from the chlorine bleach solution. Use appropriate personal protective equipment when working with chlorine bleach. In severe cases, it may take more than one bleach treatment to kill all of the moss. Give the roof a final rinse to ensure it is free of all detergent or anything else that could affect adhesion. Allow roof to dry completely before application. Using a leaf blower or broom, clear any remaining dust, dirt, debris, and foreign material that may prevent proper adhesion. Apply a test area of coating over the existing membrane to verify absence of bleed-through and proper adhesion to membrane prior to start of application.

PREP: Repair defects, such as splits, cracks, blisters, deteriorated flashing, cracked metal edging, and any other defects affecting the water tightness of the roof. As a preventative measure, seal all roof penetrations, curbs, flashings, transition areas, areas where dissimilar materials intersect, and other areas that could leak with Henry® 884 Tropi-Cool® 100% Silicone Roof Sealant or Henry® 885 Tropi-Cool® 100% Silicone Seam & Repair Roof Sealant. Ensure all roof drains and gutters are clean and clear, and cut back any vegetation that is growing above the roof which may cause debris to fall on the roof and clog drains and gutters in the future. On metal roofs, remove rust by wire brushing.

MIXING: Coating may settle during storage. Mix well prior to and during use with a drill and mixing paddle. For 1 and 5 gallon pails, use a minimum 3" diameter mixing paddle or hand mix with a suitable paddle until consistent viscosity is achieved. In drums, use a minimum 6" diameter mixing paddle.

**RV, Trailer, and Mobile Home Roofs:** Check the manufacturer's recommendations for walking on the roof. Park on a level surface. Ensure vehicle is turned off with the parking brake set. Secure keys to ensure someone else does not move the vehicle while you are on the roof.

#### Henry® 887 Tropi-Cool® 100% Silicone White Roof Coating

APPLY: Coating should only be applied to a clean, dry, frost-free, and fully prepared roof substrate as described above. It may be applied with a 1/2" to 1" nap lint-free roller, brush, or commercial airless spray rig. Containers are packaged to keep latent moisture from prematurely starting the curing process. After opening the container, try to use it up as soon as possible. Keep containers covered and sealed at all times during use, when practical. If a skin forms in the container, simply remove the skin, mix the product, and use the rest. It should be applied in one coat smoothly and evenly over the entire roof surface, including parapet walls at a minimum 1.5 gallons per 100 square feet. Dry film thickness (DFT) should be a minimum of 22 mils. Coating must be evenly applied and pin-hole free. On steep-slopes, rough or aged surfaces, additional coats may be required to obtain a uniform, consistent thickness. Ensure coating is fully cured prior to additional coating installations. Cure times generally require a minimum of 2 to 6 hours depending on weather conditions. Complete additional coats within 48 hours. Waiting longer than 48 hours may require initial coat to have to be washed prior to application of additional coats. Apply subsequent coats perpendicular in fashion to the previous coat. For example, apply 1st coat north and south; apply 2nd coat east and west. Polyurethane foam should be coated within 24 hours of application. New concrete roofs must be allowed to cure for a minimum 28 days before coating.

Commercial Airless Spray Rig: If spraying, a commercial airless spray rig capable of producing a minimum of 3500 psi at the spray gun tip is required. The pump should have a minimum of 3 gallons per minute output and be fed by a 5:1 transfer pump to prevent cavitation. Always use components rated for pump pressure. Hoses should be Buna-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 psi) with a reverse-a-clean spray tip, having a minimum orifice of 0.030 and a 50° fan tip. Do not use hoses that have been used for acrylics because the liners absorb moisture and initiate the silicone cure process.

NSF PROTOCOL P151: Number of coats: 1-3. Maximum Field Use Dry Film Thickness (mils): 30 (maximum 15 per coat). Recoat Cure Time/Temperature: 24 hours at 100 °F (38 °C). Final Cure Time/Temperature: 48 hours at 100 °F (38 °C).

DO NOT THIN. Use extreme caution when applying and walking on silicone coated surfaces. Silicone coated surfaces are extremely slippery and can create a fall hazard resulting in death or injury. Keep away from food. Not recommended for application at temperatures below 35 °F (2 °C) or if rain is expected in less than 15 minutes of application. Lower temperatures and/or less humidity will typically result in slower cure times. When transporting, make sure the pail is secured and the lid is tight to prevent spills. Store in a cool, dry, and shaded location. Ensure lid is completely sealed.

Please consult Henry® Product Support for any specific questions regarding the application of this product.

#### Coverage

Approximately 320 square feet per 5 gallon size container (approximately 100 square feet per 1.5 gallons). Dry film thickness (DFT) should be a minimum of 22 mils. Coverage varies depending on surface texture and porosity.

#### Clean-Up

Clean-up of tools and spray equipment containing uncured material may be accomplished by cleaning or flushing with VM&P Naphtha or mineral spirits.

**Spray Equipment:** This product cures by reacting with moisture and should not be left in spray guns, pump equipment, and hoses for prolonged periods unless equipment contains moisture lock hoses, fittings, and seals. Equipment without these components will transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections potentially causing an increase in operating pressure and material flow restriction.

#### **Packaging**

1 gallon, 5 gallon, 55 gallon size containers

#### **Shelf Life**

Unopened, 24 months from date of manufacture when stored in a cool, dry, and shaded location.

#### **Limited Product Warranty**

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control; therefore, Henry Company cannot guarantee results of the application of the coating including, but not limited to: appearance, water tightness, and suitability of the substrate. The substrate to be coated must be structurally sound and have reasonable life expectancy prior to being coated. We will replace at no charge any product proved to have a material defect during the life of the existing roof, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. This warranty is void if the coating is coated over, patched, painted, or covered in any way with any product other than this coating or approved products. DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL, EXEMPLARY OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. IF PURCHASER DOES NOT ACCEPT THESE TERMS OF HENRY'S LIMITED WARRANTY, PURCHASER MAY RETURN WITHIN 30-DAYS OF PURCHASE ALL CONTAINERS OR PACKAGES OF PRODUCT PURCHASED FOR A FULL REFUND (PROVIDED THE CONTAINERS OR PACKAGING IS UNOPENED AND LESS SHIPPING CHARGES IF ANY). RETENTION OF PRODUCT BEYOND 30-DAYS FROM PURCHASE, OR USE OF PRODUCT SHALL CONSTITUTE ACCEPTANCE OF HENRY'S LIMITED WARRANTY TERMS, CONDITIONS AND DISCLAIMERS. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. To the extent that any part of this LIMITED PRODUCT WARRANTY

AND LIABILITY DISCLAIMER is determined unenforceable under the law of the place of purchase of the product, that part is severed and the remainder of these terms remain in full force and effect. To the extent permitted by law, the duration of any implied warranties is limited to the duration of Henry's express warranty.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry\* Product Support at productsupport@henry.com or by calling 800-486-1278.

Henry and Tropi-Cool are registered trademarks of Henry Company

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry® Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice,

## Henry.

#### SAFETY DATA SHEET

Issue Date 18-Jan-2016

Revision Date 18-Jan-2016

Version 2

#### 1. IDENTIFICATION

**Product Identifier** 

**Product Name** 

HENRY 887HS TROPI-COOL 100% SILICONE - HIGH SOLIDS

Other means of identification

**Product Code** 

HE887HS

Synonyms

None

Recommended use of the chemical and restrictions on use

Recommended Use Uses advised against Sealant

No information available

Details of the supplier of the safety data sheet

**Manufacturer Address** 

HENRY COMPANY

999 N. Sepulveda Blvd., Suite 800

El Segundo, CA 90245-2716

Web Site: www.henry.com www.ca.henry.com

Emergency telephone number

**Company Phone Number** 

800-486-1278

**Emergency Telephone** 

CHEMTREC: 800-424-9300 CHEMTREC: 703-527-3887

CANUTEC: 613-966-6666

#### 2. HAZARDS IDENTIFICATION

#### Classification

**OSHA Regulatory Status** 

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Time arrangements	
	Category 2
Skin corrosion/irritation	Category 2A
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 3
Specific target organ toxicity (single exposure)	

#### Label elements

**Emergency Overview** 

#### Warning

**Hazard statements** 

Causes skin irritation Causes serious eye irritation Suspected of damaging fertility or the unborn child May cause respiratory irritation



#### Appearance viscous

#### Physical state liquid

Odor Slight

#### **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

#### Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

Not applicable.

#### Unknown acute toxicity

34% of the mixture consists of ingredient(s) of unknown toxicity

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance Not applicable

**Mixture** 

Ature .	2.04	Weight-%
Chemical Name	CAS No	
Polysiloxanes *	Proprietary	30 - 60
Nepheline syenite *	37244-96-5	10 - 30
	13463-67-7	5 - 10
Titanium dioxide *	556-67-2	3-7
Octamethylcyclotetrasiloxane *	22984-54-9	1 - 5
-Butanone, O,O,O-(methylsilylidyne)trioxime *		1 - 5
Silica, amorphous, fumed, crystalline-free *	112945-52-5	l as a trada socrat

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

#### **Description of first aid measures**

General advice

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do

not get in eyes, on skin, or on clothing.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

Skin contact

Consult a physician if necessary. Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes.

Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If

symptoms persist, call a physician.

Ingestion

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce

vomiting.

Self-protection of the first aider

Use personal protective equipment as required.

#### Most Important symptoms and effects, both acute and delayed

**Symptoms** 

May cause redness and tearing of the eyes. Coughing and/ or wheezing. May cause skin

irritation. Drowsiness. Dizziness.

#### Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

No information available.

**Explosion data** 

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Ensure adequate ventilation, especially in

confined areas.

#### Environmental precautions

**Environmental precautions** 

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in

appropriate containers for disposal. Clean contaminated surface thoroughly.

#### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

#### Conditions for safe storage, including any incompatibilities

**Storage Conditions** 

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of

children.

Incompatible materials

Strong acids. Strong bases, Strong oxidizing agents,

#### 8, EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Exposure Guidelines

Exposure Guidelines		COLLA DEL	NIOSH IDLH
Chemical Name	ACGIH TLV	OSHA PEL	IDLH: 5000 mg/m <sup>3</sup>
Titanium dioxide	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m³ total dust	IDEM. 5000 Ingmi
13463-67-7		<u> </u>	

NIOSH IDLH Immediately Dangerous to Life or Health

#### **Appropriate engineering controls**

**Engineering Controls** 

Showers

Eyewash stations Ventilation systems.

#### Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** 

Handle in accordance with good industrial hygiene and safety practice.

#### 9, PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state **Appearance** Color

liquid viscous white

Odor **Odor threshold**  Slight

No information available

Remarks • Method

Pensky-Martens Closed Cup (PMCC)

#### HE887HS - HENRY 887HS TROPI-COOL 100% SILICONE - HIGH SOLIDS

**Property** Ha

Melting point / freezing point Boiling point / boiling range Flash point

**Evaporation rate** Flammability (solid, gas) Flammability Limit in Air

Upper flammability limit: Lower flammability limit: Vapor pressure

Vapor density Relative density Water solubility

Solubility in other solvents Partition coefficient Autoignition temperature **Decomposition temperature** Kinematic viscosity **Dynamic viscosity Explosive properties** Oxidizing properties

Values\_ 6-11

No information available > 100 °C / 212 °F > 100 °C / 212 °F

No information available No information available

No information available No information available No information available No information available 1.2 - 1.3

Insoluble in water

No information available Not an explosive

Not applicable

Other Information

Softening point Molecular weight VOC Content (%) Density **Bulk density** 

No information available No information available No information available No information available No information available

#### 10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

#### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### **Product Information**

Inhalation

May cause irritation.

Eye contact

Severely irritating to eyes.

Skin contact

Irritating to skin.

Ingestion

No data available.

#### HE887HS - HENRY 887HS TROPI-COOL 100% SILICONE - HIGH SOLIDS

	Oral LD50	Dermal LD50	Inhalation LC50
Chemical Name		> 16 mL/kg(Rabbit)	> 8750 mg/m³ (Rat) 7 h
Polysiloxanes	> 15400 mg/kg (Rat)	> 10 IIILING ( Nabbit )	, , , , , , , , , , , , , , , , , , ,
litanium dioxide	> 10000 mg/kg (Rat)	-	<u>.</u>
13463-67-7		704 1 ( / Dalahi)	$= 36 \text{ g/m}^3 \text{ (Rat) 4 h}$
Octamethylcyclotetrasiloxane 556-67-2	= 1540 mg/kg (Rat)	= 794 μL/kg ( Rabbit )	- 30 g/m² ( Nat / 4 m
Silica, amorphous, fumed, crystalline-free 112945-52-5	= 3160 mg/kg (Rat)	-	*

#### Information on toxicological effects

**Symptoms** 

No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

No information available.

Germ cell mutagenicity Carcinogenicity

No information available. This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. The table

below indicates whether each agency has listed any ingredient as a carcinogen.

	below indica	ites whether each agency h	as listed any ingredient as	a carcinogen.
Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide	H	Group 2B	-	X
13463-67-7 Silica, amorphous, fumed,	н	Group 3	•	
crystalline-free 112945-52-5				

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity

May impair fertility.

STOT - single exposure

Target Organs. Respiratory system. Eyes. Skin. No information available.

STOT - repeated exposure

Target Organ Effects

lungs, Respiratory system.

Aspiration hazard

No information available.

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)

8,227.00 mg/kg

ATEmix (dermal)

6,810.52 mg/kg

#### 12. ECOLOGICAL INFORMATION

89 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and degradability

No information available.

#### **Bioaccumulation**

Bioaccumulative potential.

1	Chemical Name	Partition coefficient
	Octamethylcyclotetrasiloxane	5.1
	556-67-2	

#### Other adverse effects

No information available

#### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging

Do not reuse container.

#### 14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

IATA

Not regulated

IMDG

Not regulated

#### 15. REGULATORY INFORMATION

International Inventories

Complies **TSCA** Complies DSLINDSL Complies **EINECS/ELINCS** Complies **IECSC** Complies **KECL** Complies PICCS Complies AICS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### **US Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Yes Acute health hazard Yes **Chronic Health Hazard** No Fire hazard No Sudden release of pressure hazard No Reactive Hazard

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 **CWA (Clean Water Act)** CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

#### HE887HS - HENRY 887HS TROPI-COOL 100% SILICONE - HIGH SOLIDS

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

**California Proposition 65** 

This product contains the following Proposition 65 chemicals

Olympia al Nama	California Proposition 65
Chemical Name Titanium dioxide - 13463-67-7	Carcinogen
Intanium dioxide = 13403-07-7	

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Chemical Name	11011 001007	V	X
Titanium dioxide	Х	^	~
13463-67-7			

**U.S. EPA Label Information** 

EPA Pesticide Registration Number Not applicable

#### 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA

Health hazards 1

Flammability 1

Instability 0

**Physical and Chemical** 

Properties -

HMIS\_

Health hazards 1\*

Flammability 1

Physical hazards 0

Personal protection X

**Issue Date** 

**Revision Date** 

18-Jan-2016 18-Jan-2016

**Revision Note** 

No information available

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet** 

## TECH-TALK BULLETIN

Effective 05/01/2015 Supersedes all previous versions

#### Henry 887HS Tropi-Cool® 100% Silicone White Roof Coating — High Solids (HE887HS) **Adhesion Test Instructions**

The following test applies to Tropi-Cool 100% Silicone Roof Coating only. Apply test areas to verify proper adhesion to the roofing membrane(s) prior to coating the roof.

Tests should be conducted on various areas including, but not limited to, the following: a minimum of three tests in the field of the existing substrate, every 10,000 square feet, areas indicting worn substrates, any change in roofing membrane, existing roofing membranes that were installed in varying phases, shaded areas, and areas indicating ponding water.

#### **Products**

- Henry 887HS Tropi-Cool® 100% Silicone White Roof Coating High Solids (HE887HS).
- Henry 296 ElastoTape® (HE296) or Henry 195 Polyester Fabric (HE195).

#### **Instructions**

- Step 1: Before coating the roof, use a pressure washer or high pressure nozzle and water hose to wash the roof with a non-filming detergent, such as TSP or TSP substitute. Use appropriate pressure and take caution not to inject water into the roofing substrate. In areas with stubborn dirt, grease, or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat mildew or mold. Give the roof a final rinse to ensure it is free of all detergent or anything else that could affect adhesion. Allow roof to dry completely before application. Using a leaf blower or broom, clear any remaining dust, dirt, debris, and foreign material that may prevent proper adhesion.
- Step 2: Apply the first coat of Tropi-Cool 100% Silicone Roof Coating at approximately 1.5-gallons per 100 sq. ft. (minimum 11-mils wet) to three (3) test areas. While Tropi-Cool 100% Silicone Roof Coating is still wet, use Henry 296 or Henry 195 Fabric to embed three (3) 1" x 6" strips into each of the wet Tropi-Cool 100% Silicone Roof Coating test areas. Allow 2" of fabric to extend beyond the wet Tropi-Cool 100% Silicone Roof Coating. After embedding the fabric, apply the second coat of Tropi-Cool 100% Silicone Roof Coating at approximately 1.5-gallons per 100 sq. ft. (minimum 11-mils wet) over the fabric to completely cover it. Do not coat the 2" fabric ends. Brush Tropi-Cool 100% Silicone Roof Coating lightly to remove any trapped air.

## ECH-TALK BULLETIN

- Step 3: Allow the test areas to cure for a minimum of 72-hours before checking adhesion. When checking adhesion, pull the fabric strips straight up. There must be a minimum of two (2) pounds of "pull strength" for the adhesion to be considered acceptable.
- Step 4: If lifting the fabric is difficult or if the coating underneath the fabric remains on the roof, there is good adhesion for the application. If little to no effort is required to lift the fabric or if all of the coating pulls up from the roof, there is not sufficient adhesion for the application. If there is not sufficient adhesion, a primer must be used. Please consult Henry Product Support for specific questions regarding application of this product.

#### STATEMENT OF RESPONSIBILITY

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability, or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry Company Tech-Talks are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this Tech-Talk may change without notice.

> For Additional Information Contact: **Henry Product Support** 1-800-486-1278

ProductSupport@henry.com

#### 887 Tropic Gool@ 100% Sillicons White Roof Conting By to my some in y

CLASSIFICATION: 07 14 16 00

PRODUCT DESCRIPTION. HENRY 58V. TROPI-COOL 100% SILICONE WHITE ROOF COATING IS A HIGHLY REFLECTIIVE. WHITE, 190% SILICONE MOISTURE CURE, COATING DESIGNED TO REFLECT THE SUMS HEAT AND UV RAYS AS WELL AS PROTECT MANY TYPES OF ROOFS. WHILESUMABLE FOR USE IN ALL CHMATES. THE 100% SILICONE CHEMISTRY IS PROTECT MANY TYPES OF ROOFS. WHILESUMABLE FOR USE IN ALL CHMATES. THE 100% SILICONE CHEMISTRY IS ESPECIALLY SUITED FOR EXTREME TROPICAL ENVIRONMENTS, WHICH ARE EXPOSED TO SOME OF THE HOTTEST AND ESPECIALLY SUITED FOR EXTREME TROPICAL ENVIRONMENTS. WHICH ARE EXPOSED TO MAINTAIN MAXIMUM REFLECTIVITY OF WEITEST WEATHER WITHIN THE OWN EXPOSURE IT IS SPECIALLY DESIGNED TO MAINTAIN MAXIMUM REFLECTIVITY OF MEAT AND UV RAYS AS IT AGES ITS MOISTURE CURE CHEMISTRY CREATES A VERY AGGRESSIVE CHEMICAL BOND WITH THE ROOF. WHICH ALLOWS FOR PERMANENT PONDING WAYER RESISTANCE. EXTREME DURABILITY AND SUPERIOR. THE ROOF WHICH ALLOWS FOR PERMANENT PONDING WATER RESISTANCE, EXTREME DURABILITY, AND SUPERIOR CAPABILITIES OF SEALING AND PROTECTION

English Profile or ellered by a 

#### **Section 1: Summary**

#### CONTENT INVENTORY

Threshold per material 100 ppm

**O** 1,000 ppm O Per GHS SDS

O Per OSHA MSDS

Other

Residuals and impurities considered in

**Material Notes** see Section 5:

1 of 1 materials see Section 2:

**General Notes** 

Based on the selected Content Inventory Threshold:

Characterized..... Are the Percent Weight and Role provided for all substances? Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?

Identified..... Are all substances disclosed by Name (Specific or Generic) and

No Yes

Yes

Yes

0

No

0

No

O

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENS CORE | HAZARD TYPE

100% SILICONE WHITE ROOF COATING [ SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED NEPHELINE SYENITE TITANIUM DIOXIDE CAN POLYDIMETHYL SILOXANE | PBT OCTAMETHYLCYCLOTETRASILOXANE (D4) | REP | END | PBT | MUL 2-BUTANONE, O,O',O"-(METHYLSILYLIDYNE)TRIOXIME (8CI)(9CI) CRYSTALLINE-FREE GENT QUARTZ (CAN)

Number of Greenscreen BM-4/BM3 contents...... 0 Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1 Nanomaterial..... No

INVENTORY AND **SCREENING NOTES:** 

were the party of the second

#### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l):

Regulatory (g/l): 250 Does the product contain exempt VOCs: No Are ultra-low VOC tints available: N/A

#### CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

#### S

#### Section 2: Content in Descending Order of Quantity

'his section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or inpurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent lescribed in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential nazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

6 SILICONE WHITE ROOF story Threshold: 100 ppm rial Notes:	COATING %: 100.0 Residuals	000 - 100.0000 HPD URL: Considered: Yes			
SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED			ID: 70131-67-8		
%: 50.0000 - 60.0000	GS: BM-2	RC: None	NANO: NO	ROLE: Waterproofing/polymer	
HAZARDS:		AGE	ICY(IES) WITH WARNINGS		
None Found		No w	arnings found on HPD Priorit	y lists	
SUBSTANCE NOTES:	was great the state of the stat				
NEPHELINE SYENITE			ID: 37244-96-5		
%: 20.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler/film strengthener	
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
None Found		No warnings found on HPD Priority lists			
SUBSTANCE NOTES:				and the second section for the second section of the second section of the second section of the second section section of the second section section of the second section se	
TITANIUM DIOXIDE			ID: 13463-67-7		
%: 5.0000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Pigment	
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
CANCER	US CDC - Occupational Carcinogens		Occupational C	Occupational Carcinogen	
CANCER	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route		
CANCER	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		

CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
	t avallable in respirable form.	
POLYDIMETHYL SILOXA	ANE	ID: 9016-00-6
%: 5 0000 - 10,0000	GS: LT-P1 RC: None	NANO: NO ROLE: Flexibilizer
HAZARDS:	recommendation of the confirmation and the set of the set was a set of the confirmation of the confirmatio	ES) WITH WARNINGS:
PBT	EC - CEPA DSL	Persistent, Bloaccumulative and inherently Toxic (PBiTH) to humans
OCTAMETHYLCYCLOT		ID: 556-67-2
%: 1.0000 - 5.0000	GS: BM-1 RC: None	NANO: NO ROLE: Solvent
HAZARDS:	AGENCY(	IES) WITH WARNINGS:
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
ENDOCRINE	EU - Priority Endocrine Disrupters	Category 1 - In vivo evidence of Endocrine Disruption Activity
PBT	EU - ESIS PBT	Under PBT evaluation
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Too (PBiTE) to the Environment (based on aquatic organisms)
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently To
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductiv Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	
MULTIPLE	German FEA - Substances Hazardous to W	laters Class 3 - Severe Hazard to Waters

US EPA - PPT Chemical Action Plans

RESTRICTED LIST

TSCA Work Plan chemical - ongoing chemical (risk) assessment

2-BUTANONE, O,O',O"-(	METHYLSILYLIDYNE)T	RIOXIME (8CI)(9CI)	ID: 22984-	54-9
%: 1.0000 <b>-</b> 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst
HAZARDS:		AGEN	CY(IES) WITH WARNINGS	:
None Found		No war	nings found on HPD Priority	y lists
SUBSTANCE NOTES:				
FUMED SILICA, CRYST	TALLINE-FREE	·	ID: 11294	5-52-5
%: 1.0000 <b>-</b> 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Thixotrope
HAZARDS:		AGEN	CY(IES) WITH WARNINGS	S:
None Found		No wa	rnings found on HPD Priori	ty lists
SUBSTANCE NOTES:			ID: 14808	3-60-7
	GS: LT-1	RC: None	ID: 14808 NANO: NO	3-60-7 ROLE: Impurity/Residu
QUARTZ	GS: LT-1	and the second		ROLE: Impurity/Residu
QUARTZ %: Impurity/Residual		and the second	NANO: NO	ROLE: Impurity/Residu
QUARTZ %: Impurity/Residual HAZARDS:		AGEI ccupational Carcinogens	NANO: NO  NCY(IES) WITH WARNING  Occupational C	ROLE: Impurity/Residu S: Carcinogen  pecific to chemical form or
QUARTZ %: Impurity/Residual HAZARDS: CANCER	US CDC - O	AGEI ccupational Carcinogens	NANO: NO  NCY(IES) WITH WARNING  Occupational C  Carcinogen - sp exposure route  Group 1: Agent	ROLE: Impurity/Residu S: Carcinogen  pecific to chemical form or
QUARTZ %: Impurity/Residual HAZARDS: CANCER CANCER	US CDC - O CA EPA - Pr IARC	AGEI ccupational Carcinogens rop 65	NANO: NO  NCY(IES) WITH WARNING  Occupational C  Carcinogen - specyposure route  Group 1: Agent inhaled from occupation occupation occupation.	ROLE: Impurity/Residu  S:  Carcinogen  pecific to chemical form or  t is carcinogenic to humans - ccupational sources  uman Carcinogen (respirable siz

## Section 4: Accessories

his section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), naintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

Section 5: General Notes

#### **WANUFACTURER INFORMATION**

MANUFACTURER: Henry Company

ADDRESS: 999 N. Sepulveda Blvd.

Suite 800

El Segundo, CA 90245

USA

WEBSITE: www.henry.com

CONTACT NAME: Whitney Randall

TITLE: Director, Regulatory Compliance Systems

PHONE: 484-557-1247

EMAIL: wrandall@henry.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity EYE Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

MAM Mammalian/systemic/organ toxicity **MUL** Multiple hazards

**NEU** Neurotoxicity **OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

**REP** Reproductive toxicity **RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2

Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspeci ed (insu cient data to benchmark)

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

**Both** Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

**Declaration Level** 

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.





JUN 15, 2018 01:51:00 PM Deputy: Gerardo Barrera

Scott Krahling, County Clerk, Dona Ana, NM



Las Cruces Abstract & Title 076434 BR/mt

## WARRANTY DEED

Robert William Buckingham, a single map, for consideration paid grant to, Nia Rucker, a single woman, whose address is, P.O. Box 1668, Mesilla, NM 88046, the following described real estate in Dona Ana County, New Mexico:

A tract of land being part of U.S. Reclamation service Tract 8 of property Map 11A in Mesilia, Dona Ana County, New Mexico and more particularly described as follows:

Beginning at the southeast corner of this tract also the southeast corner of U.S.R.S. tract 11A-8 on the north side of Calle del Cura whence the southwest corner of the intersection of Highway 28 and Calle Del Cura bears N 82 deg. 09° E a distance of 61.60 feet; thence along the north side of Calle Del Cura S 57 deg. 51° W 52.25 feet to the Southwest corner of this tract; thence N 29 deg. 14' W 30.73 feet to the northwest corner of this tract; thence N 56 deg. 59' E 49.20 feet to the northeast comer of this tract, thence S 34 deg. 52' E 31.55 feet to the place of beginning.

Subject to patent reservations, restrictions, and easements of record.

With warranty covenants.

WIINESS my hand and seal this Lay of June, 2018.

Robert William Buckingham

ACKNOWLEDGMENT

STATE OF MOSSIVINIS COUNTY OF PARTICIPE

The foregoing instrument was acknowledged before me this William Buckingham, a single man.

day of June 2018 by, Robert



SAMANTHA ROBE Notacy Public Convionwealth of Massachusotts Ay Commission Expires November 8, 2024

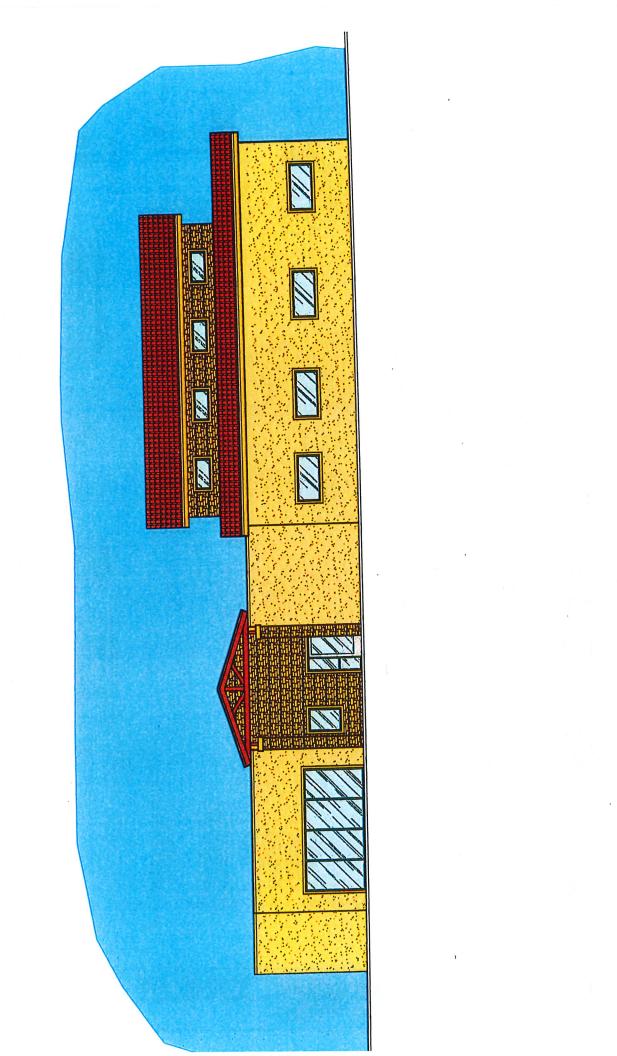
## TOWN OF MESILLA ZONING APPROVAL

OFFICIAL USE ONLY: Case #\_06/332\_

## PERMISSION TO CONDUCT WORK

# OR OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

2	231 Avenida de Mesilla, I	P.O. Box 10, Mesilla,	NM 88046 (575) 524-3262 ext. 104
		OODE.	APPLICATION DATE:
Dr Saul Name of Property 1180 M Property Owner's	Bucciaga 5 Owner All D- Ste B Mailing Address	75-680-574.  Las Cruce  City	Froperty Owner's Telephone Number  State  State  State  State  State  State  State  State  State
Property Owner's  Randy Contractor's Nam  575 64 Contractor's Tele Address of Propo Description of Pro  \$ 375,600 Estimated Cost	E-mail Address Farmer 7711 P e & Address (If none, Indicated of S21 phone Number sed Work: 1745 phosed Work: New Signature of A	enesis Builde (reunid Per 85-0457 Contractor's Tax I Calle de M Doctors	AX C+ Las Cruces NM 8801)  7572 #81132  Contractor's License Number  Mercaclo  Office  1/19/2022  Date
With the excepti	on of administrative approv	als, the permit requests	s must undergo a review process from staff, PZHAC and/or BOT r than 11 x 17 inches or shall be submitted electronically.
Delote Issuance	Of a normal particular	FOR OFFICIAL	
CID PERMIT/IN	☐ Administrative Appro ☐ Approved Date: ☐ Disapproved Date: ☐ Approved with condi VAL REQUIRED: YES SPECTION REQUIRED:	tionsNO BOT AIYESNO _	PPROVAL REQUIRED:YESNO
PERMISSION I	SSUED/DENIED BY:		ISSUE DATE:
THIS APPLICATI  1 Plot plate	ON SHALL INCLUDE ALL Can with legal description to tion shall show that the loce prior to February 1972. In with dimensions and detaction plan with details. Ian showing rooms, their use section of walls and floor framing plan of legal access to the properting plan.  of architectural style and coordinates of a colutility providing water service.	or THE FOLLOWING: or show existing structure it was LEGALLY substitutes its. es and dimensions.  y.  lor scheme (checklist in ory of septic tank pen es).	ures, adjoining streets, driveway(s), improvements & setbacks. divided through the Town of Mesilla or that the lot has been in included for Historical zones) – diagrams and elevations. mit; proof of water service (well permit or statement from the
12 Proof of 13. Other i	of legal access to the proper nformation as necessary or	required by the City Co	de or Community Development Department (See other side.)



MEDICAL OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA 1745 AVENDIA DE MERCADO, LAS CRUCES, NA 88905

STANDARD BIKE RACK DETAIL HANDICAP PAVEMENT MARKINGS TYPICAL H.C.
PARKING SYMBOL HANDICAP PARKING SIGN THE (SEE DEEMS) ני פר "צאבנא פרחר איר האיפסר מיבאכאלמיים IN PARIOUS SPACE ANTICOM STATE AND SON OWN TO SEE A THE THE WORLD WALL COMPANY TO ANY OF GENERAL NOTES אווא ככנסוג אז פנה אם איאמבה באוונה באאך על אננ האשות אים איאל נאס כסאנג על זומאנים טואנדר באוור. אווא ככנסוג אז פנה אם איאמבה באוונה באאך על ג, אסנ THAT THE PART ARA AS SHOWN TO DRAW oboorsed ab obinavy 12.00° THE TAX PROPERTY AND THE COURTY AND HIGH DAY THE COURTY AND THE COURTY WENT TH SITE PLAN CURB RADIUS LEGEND © - 4700 krours

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O - 700 krours Lot 2 0.500 Acres SCALE: 1" = 20'-0" KEYED NOTES

(REZ BEAUS ON THE SHEET WAXES OFFICIANTE SAFETY

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(D) "AND S VICINITY MAP BUILDING SETBACKS:

16' FRONT
16' REAR
16' SECOND STREET
6' OR O' SIDE ZONING: ADDRESS: 1745 AVENIDA DE MERCADO, LAS CRUCES, NM 88005 BUILDING AREA: LAND AREA: 39,944.52 SQ. FT/Q.917 ACRE NKC PARKNE RECUIRED 1 DOCE PARKING FOR EYERY 8,000 SO.FT. TAL PROPOSTO PARKING 23 APS
RECULAR SPACES 2 APS
LANDICAP SPACES 2 APS
1 VAN ACCESSIBLE) HOPPING CENTER/ BUSINESS SERVICE CENTER ARKING TABULATION: SPACES RECTS (4,724/450) -- 11 APS SPACES RECTS (4,724/450) -- 11 APS 11 APS OGENESIS BUILDERS, IN - 25 APS DATE: SCALE: DRAYN: SITE PLAN, VICINITY MAP, NOTES, AND DETAILS GR JG RODRIGUEZ ENGINEERING C1.0 AND ASSOCIATES

CHECKED

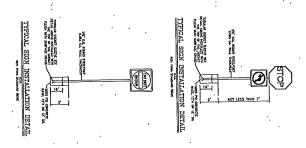
VEHICLE TRACKING PLANS

SCALE 1" = 20'-0"









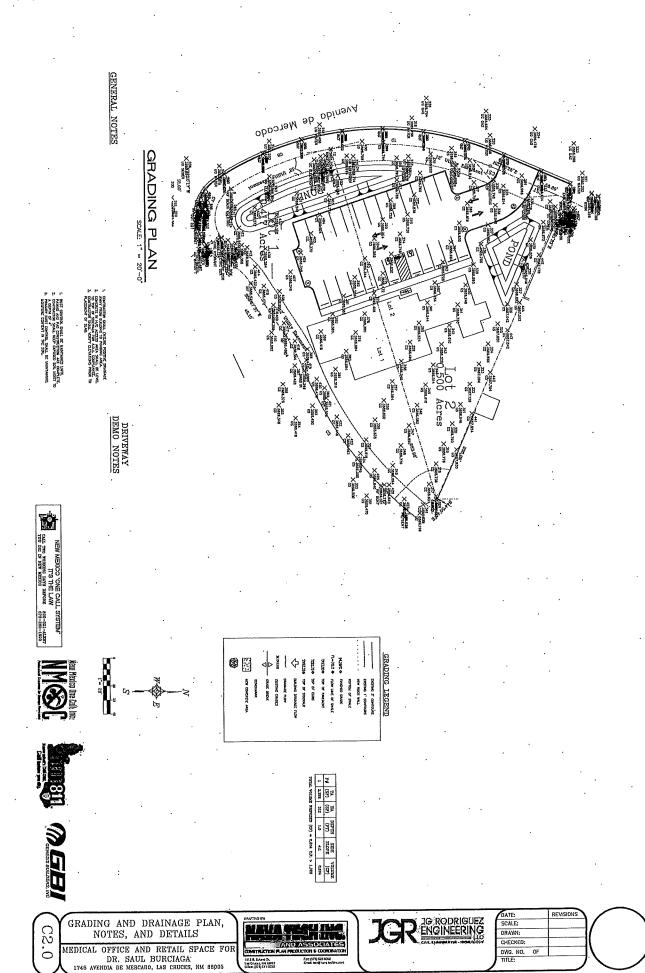
VEHICLE TRACKING PATH

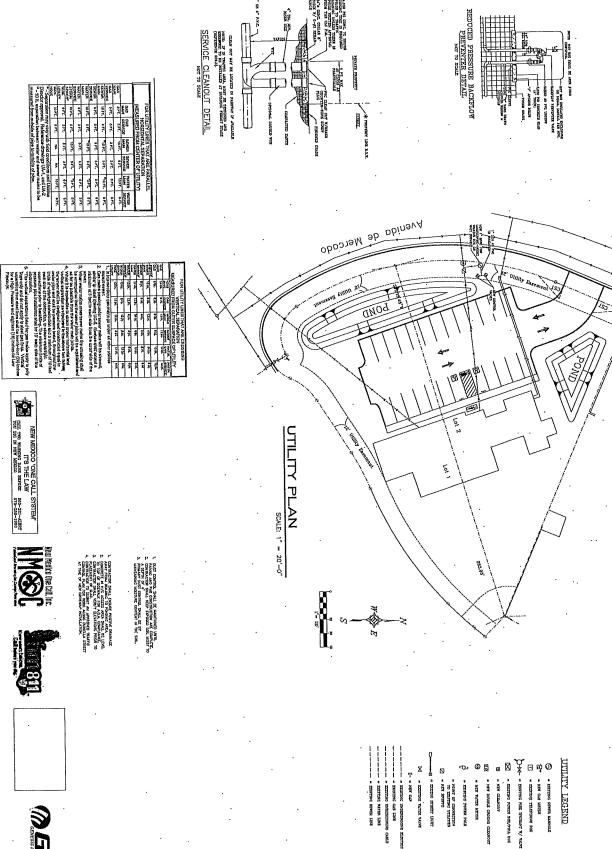


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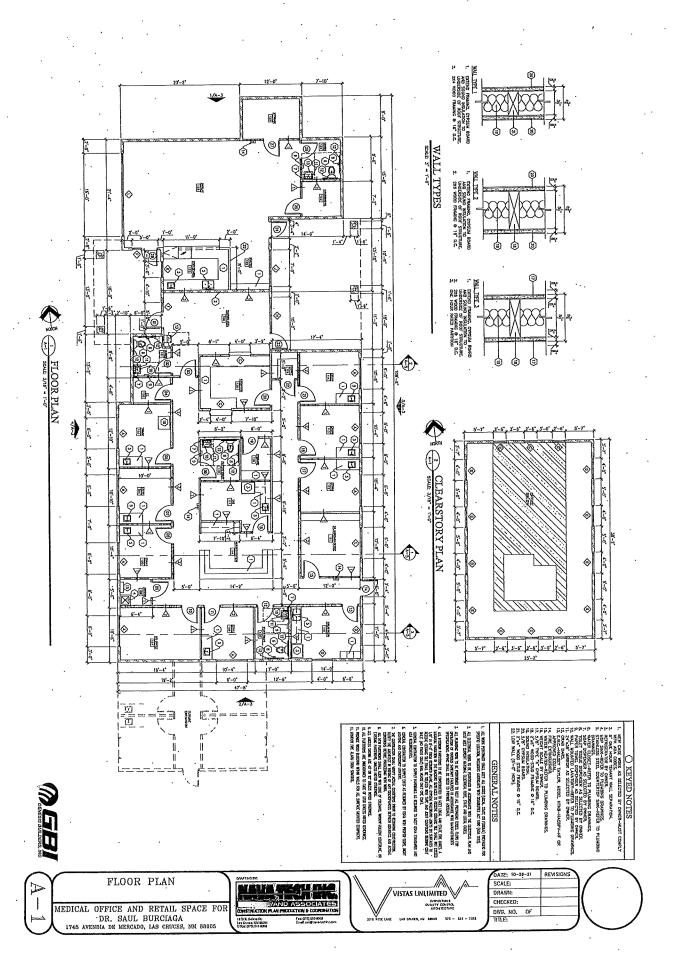


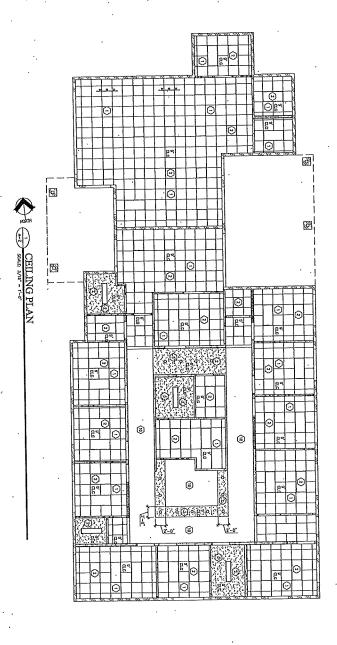
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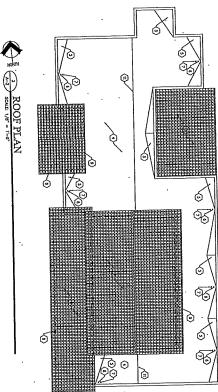
UTILITY PLAN, NOTES, AND DETAILS

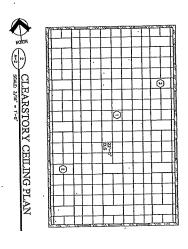


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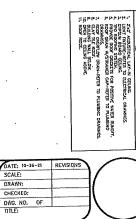




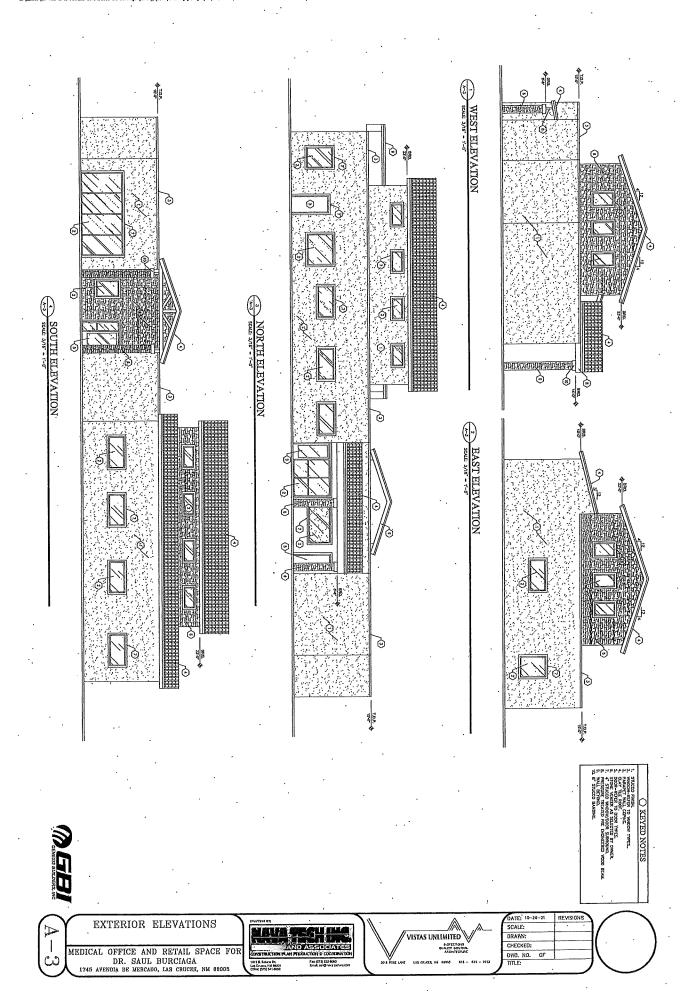
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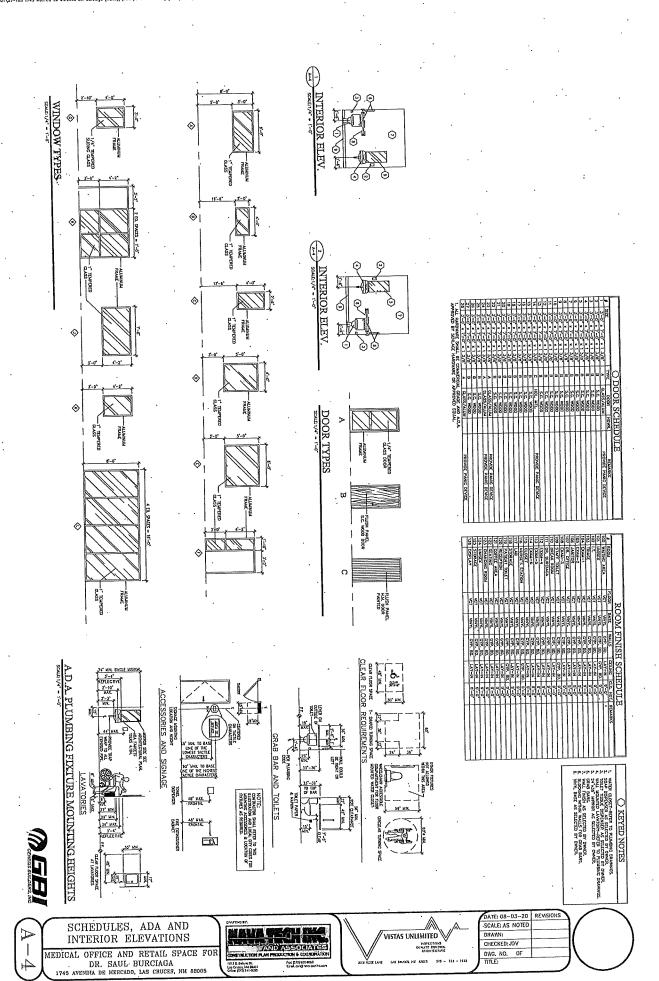
CEILING PLANS

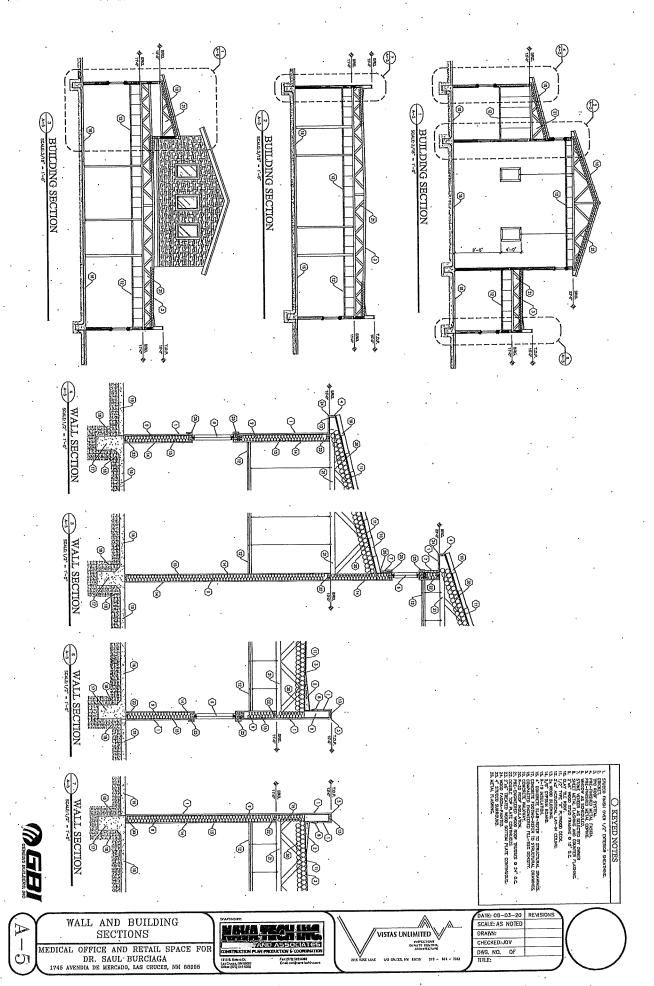
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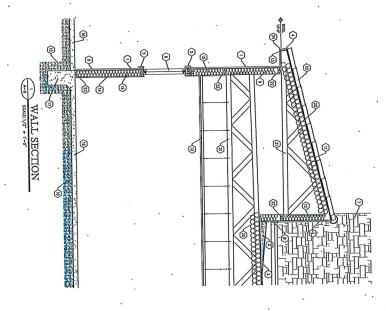














MOGENESIS BUILDERS, INC

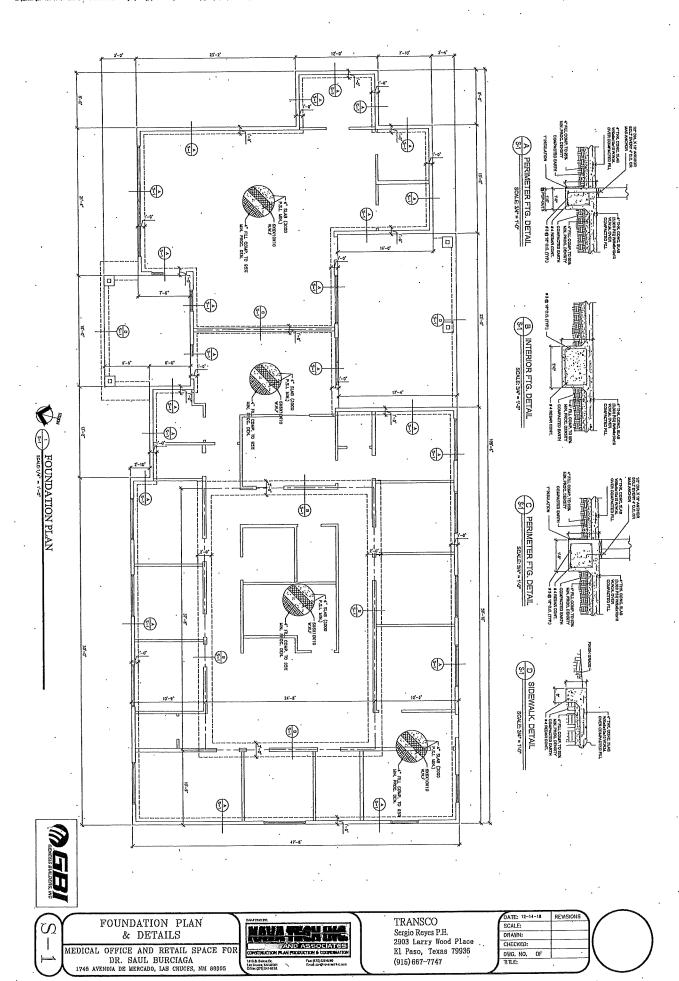
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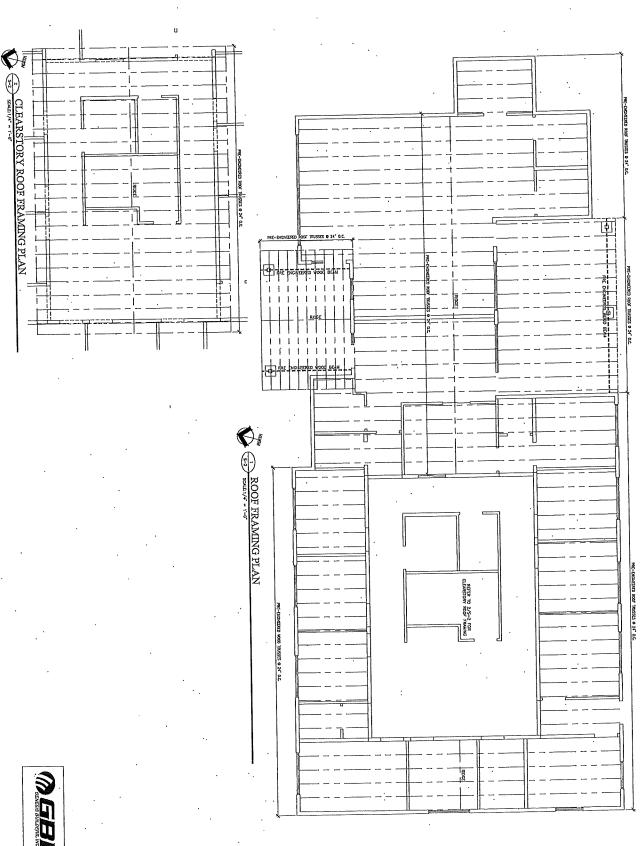
WALL SECTIONS



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ROOF FRAMING PLANS

MEDICAL OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA 1745 AVENDIA DE MERCADO, LAS CRUCES, NM 88005



TRANSCO Sergio Reyes P.B. 2903 Larry Wood Place El Paso, Texas 79936 (915)667-7747

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MECHANICAL GENERAL NOTES LEGEND AND SCHEDULES

MEDICAL OFFICE AND RETAIL SPACE FOF DR. SAUL BURCIAGA 1746 AVENDIA DE MERCADO, LAS CRUCES, NM 88005

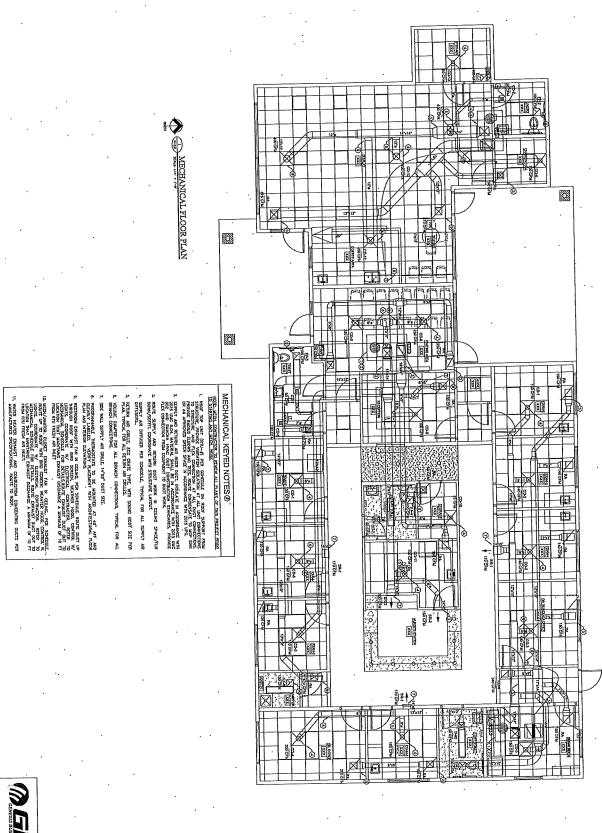


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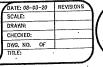


M2.

MECHANICAL PLAN

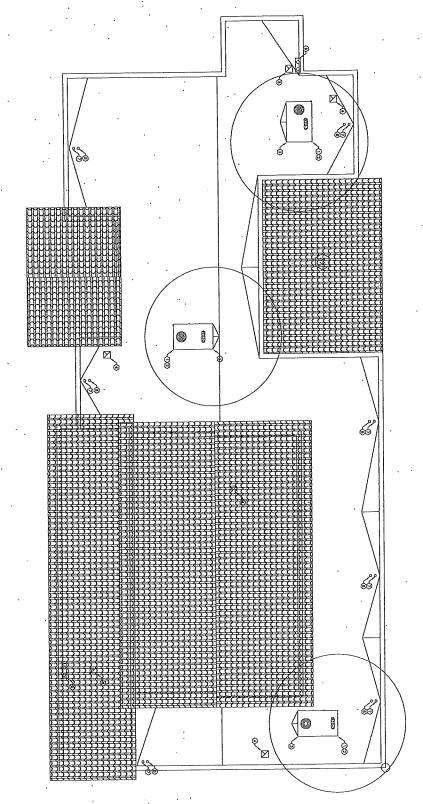








MECHANICAL KEYED NOTES®



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MECHANICAL ROOF PLAN



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PLUMBNIC FIXTURES SUPPLIED BY CONTRACTOR, OWNER TO SPECIFY COLOR AND FINISH,

OGENERIS BIRI PEDO "

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PROVIDE TRAP GUARD FOR ALL FLOOR DRAMS AND FLOOR SINCE. SEE PER PLAN.

DATE: 08-03-20 SCALE: DRAWN: CHECKED

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LMG ENGINEERING LLC
P.O. BOX 335
LAS CRUCES NM BB001
LUCIO8LMG-ENGINEERING.COM

PLUMBING GENERAL NOTES LEGEND

OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA INDIA DE MERCADO, LAS CRUCES, NU 88006

	Frederindate Steam Yyer: Picture Fash Washifper Mas Development Guight: 200 Fast Britantick Analisek Frausne: 20 PS Britantick Analisek Frausne: 1 Indone	Track Keelly Calculation   Track Rep. 221   Track Rep. 221   Track Rep. 222   Track Rep. 22		1 2.5	9-2 [seatory/pick]mointed	cach WSFU	TOTAL Year	Water Supply Fature Valla Based on 2015 UPC Table SIG. J Drailwest Fature valta Based on 2015 UPC Table 702.1	WATER/SANITARY SEWER CALCULATION WATER PRiving Units and Direlating Pacture Units Calculation		+ 1	20	2	0.25 Inches/Toot,		28.5 %	2 2 4 4 4 4	Ш	FIXTURES REQUIRING DIVIT COLD WATER  1 2.3 7.5 4 13	15 1 7	QTY WSFU Cold DFU each DFU	. Dr. Durcheys Office	WATER/SANITARY SEWER CALCULATION WATER/SAN Units and Dratage Plants Units Calculation Water Supply flows Units Stated on State State State Water Supply flows Units Stated on State State State Stated Water Supply flows Units Stated St	£ 8	Productive UNIX ALL France Unix University Mark Development Lamph: 200 Feat	Sewer Supply Main StringBased on 2015 UNG Table 630.4	Tree/Feetry Christoters 1025 UPC Table 7014   Waste Dahn Man Strigfuste on 2015 UPC Table 7014   Waste Dahn Man Strigfuste on 2015 UPC Table 7014   Server Service Admart 0.22   Server Service Admart 0.23   Inches/Gent 0.25   Inches/Gent 0.25	H1-1 House Bid 4 4 4 4 6 10-1 [Seed Data] 127445 1 2 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P-1 Water Coret		= A	TOTAL	Dentalp Reservate Date on 2023 UK; 1808 2022.  De Burkley Feeling	Water Fature Urbs and Draidage Fature Units Calculation Water Supply Flature Units Stated on 2015 UPC Table 610.3	WATER/SANITARY SEWER CALCULATION
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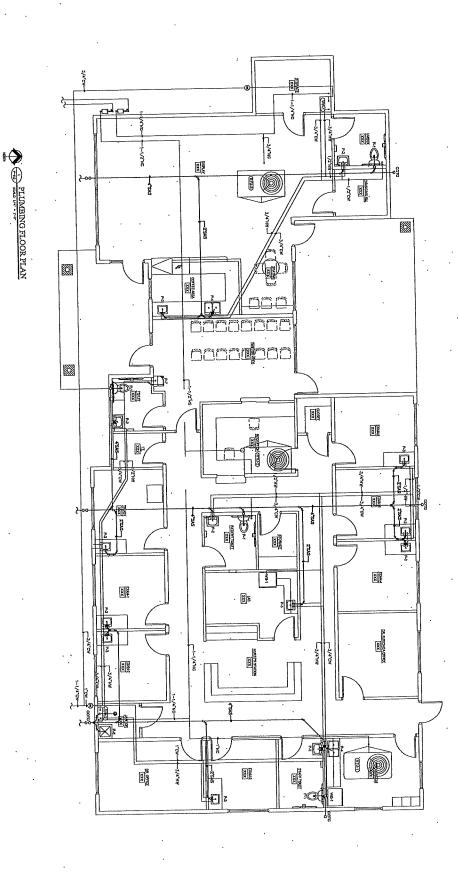
PLUMBING SCHEDULES

MEDICAL OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA 1746 AVENDIA DE MERCADO, LAS CRUCES, NM 89005



LMG ENGINEERING LLC
P.O. BOX 335
LAS CRUCES NM 88001
LUCIOBUMG-ENGINEERING.COM

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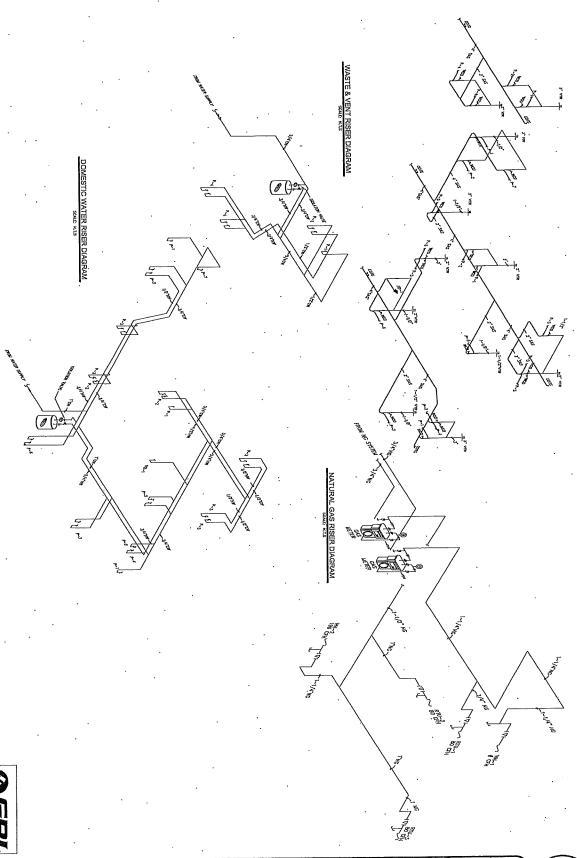
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PLUMBING FLOOR PLAN

MEDICAL OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA 1745 AVENDIA DE MERCADO, LAS CRUCES, NM 88005 CONTINUENT OF THE PARTY OF THE

LMG ENGINEERING LLC
P.O. BOX 335
LAS CRUCES NM 88001
LUCIO@LMG-ENGINEERING.COM

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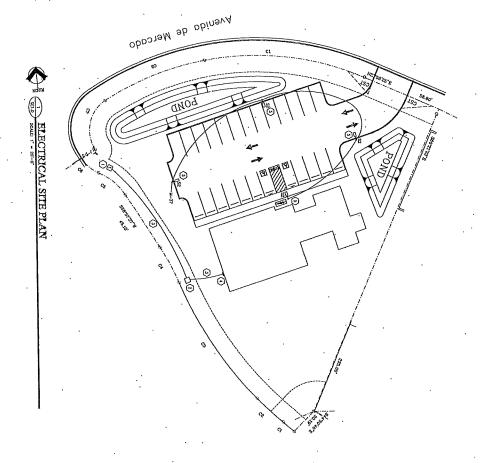
PLUMBING DIAGRAMS

MEDICAL OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA 1746 AVENDIA DE MERCADO, LAS CRUCES, NM 88005

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P.O. BOX 335 AST E42-4615 LAS CRUCES NM BBOO1 LUCIO@LMG-ENGINEERING.COM

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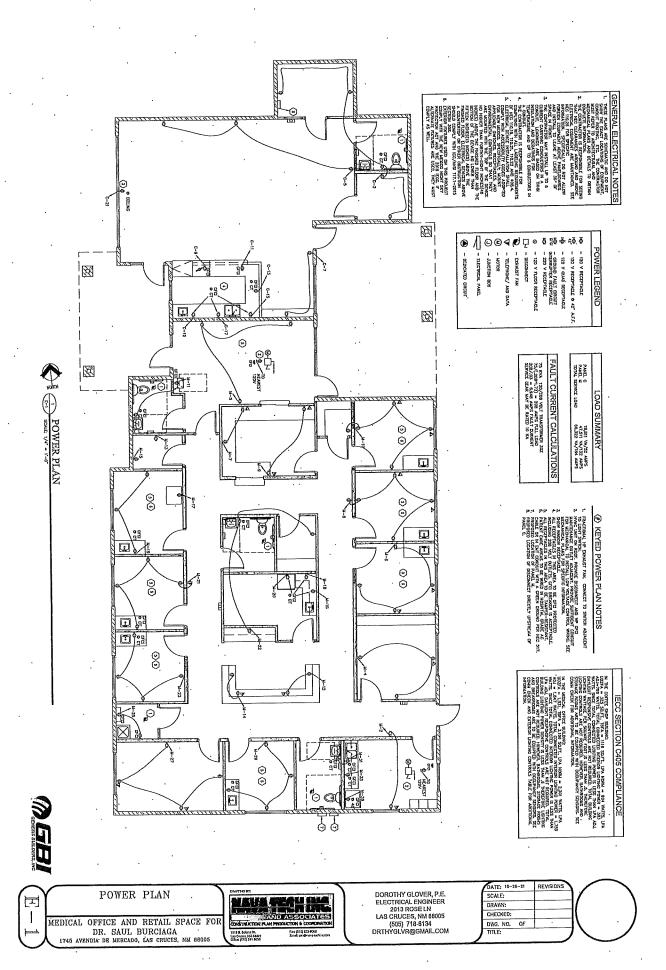
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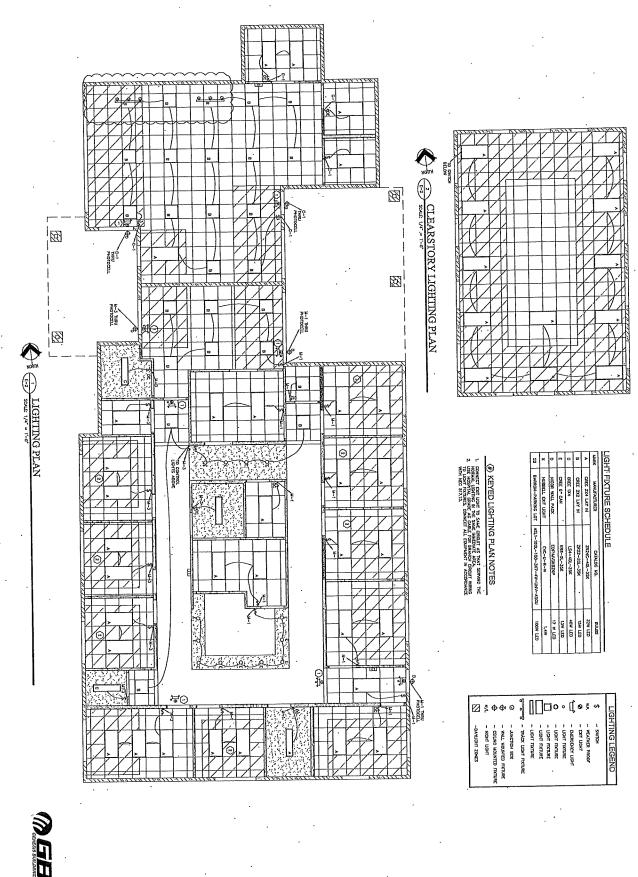
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POWER PLAN



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LIGHTING PLAN, KEYED NOTES LIGHT FIXTURES, AND LEGEND MEDICAL OFFICE AND RETAIL SPACE FOR DR. SAUL BURCIAGA 1745 AVENDIA DE MERCADO, LAS CRUCES, NM 880005



DOROTHY GLOVER, P.E. ELECTRICAL ENGINEER 2013 ROSE LN LAS CRUCES, NM 68005 (505) 718-8134 DRTHYGLVR@GMAIL.COM

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LIGHT POLE DETAIL

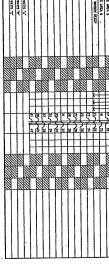
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Donothy Gloven		   E	CHANGE		Speno - Tita

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⊕ SERVICE ENTRANCE / ONE LINE DIAGRAM KEYED NOTES

SERVICE ENTRANCE / ONE LINE DIAGRAM

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SERVICE ENTRANCE ONE LINE DIAGRAM, PANEL SCHEDULE

Depart ave. 01/14/27



DOROTHY GLOVER, P.E.
ELECTRICAL ENGINEER
2013 ROSE LN
LAS CRUCES, NM 88005
(505) 718-8134
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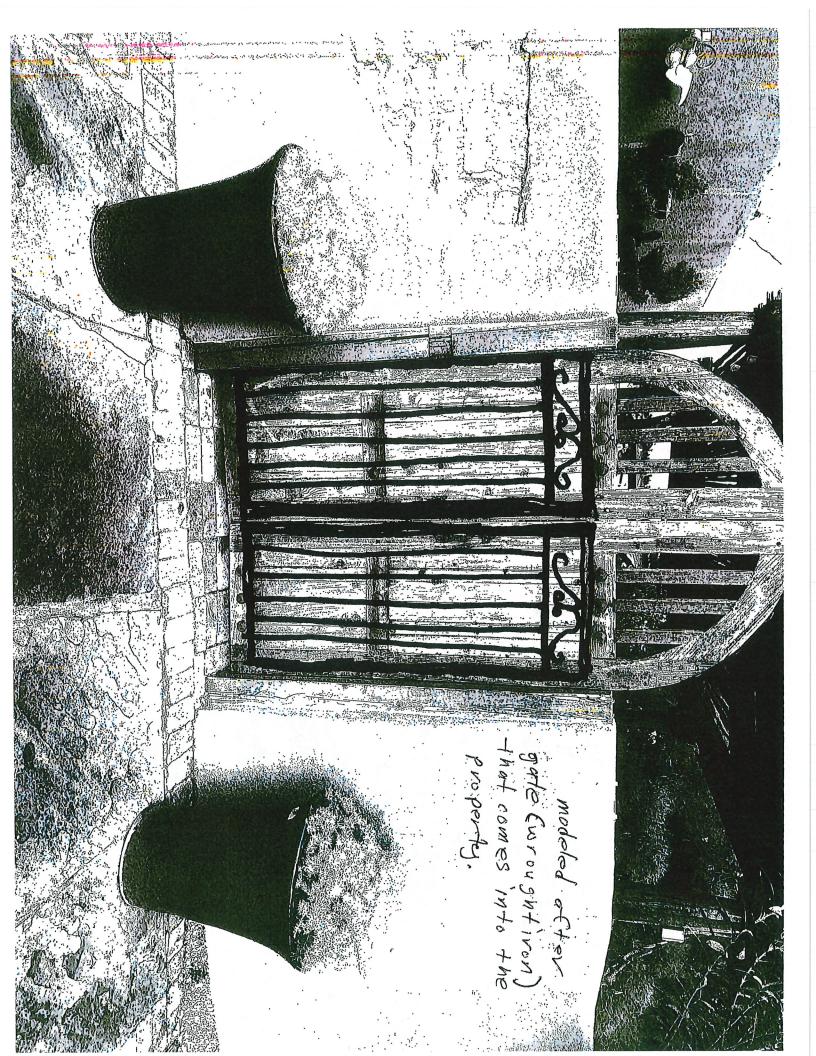


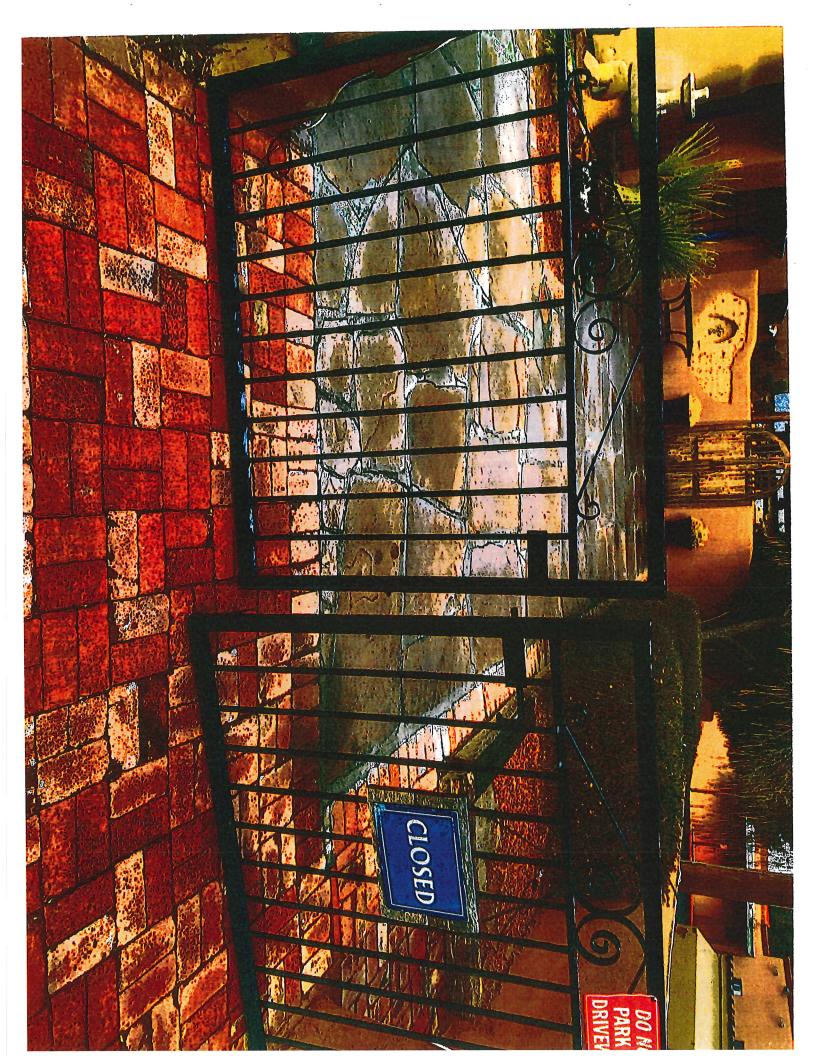
# TOWN OF MESILIA ZONING APPROVAL JAN 13 2022 PERMISSION TO CONDUCT WORK OR OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

# TOWN OF MESILLA

silla, <b>NM</b> 88046 (575) 524–3262 ext. 104
APPLICATION DATE:
n 575-644-1002
Property Owner's Telephone Number  NW 88046
NM 88046
State Zip Code
7 - (
Tax ID Number Contractor's License Number
- Guadalupe
- ivon gate (made of site) in
ite that opens onto the patio.
1-13-22
Date
ltm
uests must undergo a review process from staff, PZHAC and/or BOT
larger than 11 x 17 inches or shall be submitted electronically.
CIAL USE ONLY
BÖT   Approved Date:
□ Disapproved Date:
☐ Disapproved Date: ☐ Approved with Conditions
OT APPROVAL REQUIRED:YESNO
SEE CONDITIONS
Washington
LOOUE DATE.
ISSUE DATE:
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ructures, adjoining streets, driveway(s), improvements & setbacks.
subdivided through the Town of Mesilla or that the lot has been in
st included for Historical zones) – diagrams and elevations.
st included for Historical zones) – diagrams and elevations. Dermit; proof of water service (well permit or statement from the
st included for Historical zones) – diagrams and elevations.  Dermit: proof of water service (well permit or statement from the

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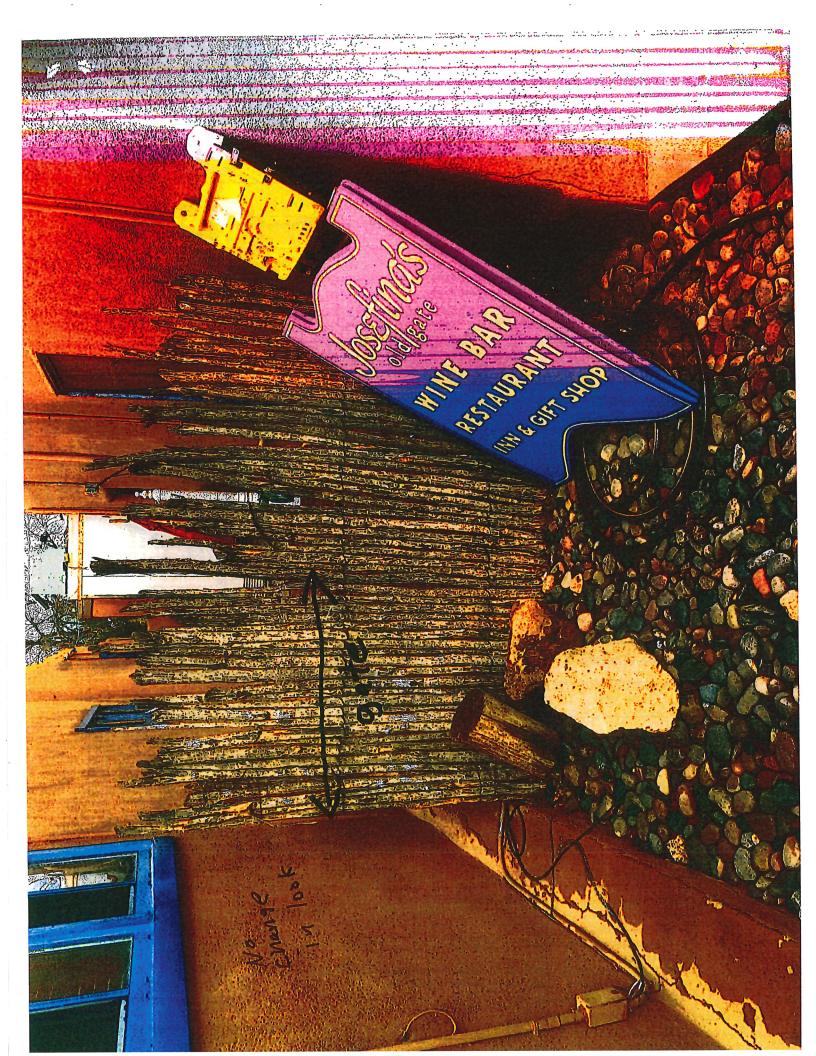


OFFICIAL USE ONLY:
Case # 06/33 5
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# PERMISSION TO CONDUCT WORK OR

### OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT FROM CID

	Avenida de Mesilla, P.O		The same of the sa	24-3262 ext. 104		
CASE NO	ZONE:	CODE:	API	APPLICATION DATE:		
Balo Havni 14 Name of Property Owner	on/Kathleev	r Foreman	5.75 -6 Property Owner's	Telephone Number	88046	
Property Owner's Mailin	ig Address	City	State	•	Zip Code	
mesilla	ng Address MGN @ COM	east one	+	-0.1		
Property Owner's L-ma	il Address					
SO/C	ddress (If none, indicate :	Colf				
Contractor 5 Name & A	autess (ii none, indicate i	Sell)				
Contractor's Telephone	Number	Contractor's Tax I	D Number	Contractor's Lice	nse Number	
Address of Proposed W	lork: 22610	calle de l	Sundalupe			
Description of Proposed	d Work: Modi	fy an e	kisting 1'C	oyote"fi	once	
to create	an approx	imate 3	611 gate	- Appear	ance	
as shown	will not	change			-22	
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Estimated Cost	Signature of Appl	licant.	1	Date		
Signature of property of	wner:	familto	~			
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2 Site Plan with of S Foundation pla	dimensions and details.					
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Roof and floor		,				
Proof of legal a Drainage plan.	access to the property.	· X-2				
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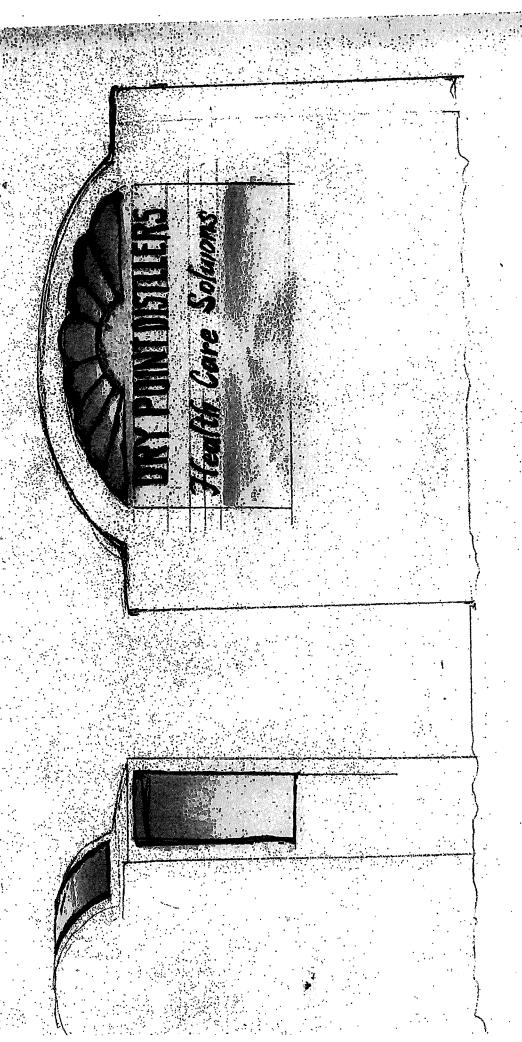
### Town of Mesilla P.O. BOX 10 MESILLA, NM 88046

PHONE: (575) 524-3262 FAX (575) 541-6327

## **SIGN PERMIT**

Application Date:  Health Care Solvtions  Dry Point Dyfillers Languette Make Make Make Make Make Make Make Mak	Chris Schaufer Name of Applicant
Address of Business	704 Carver RD , Las Crues Address of Applicant
Las Coues NM 88005 City State Zip	Las Crices NM 88005 City State Zip
575-636-3856 Telephone Number	Alternate Telephone Number
Location and description of Sign: (include dimensions, lettering, shape, mater used. Attach a drawing of the location of the structures on the building or lot.)	sign, including any other advertising
We are seeking approval for the a directory sign located on the Are de Nesilla and Calle de Alva	South East corner of
For Office I	Use Only
Administrative Approval: PZHAC Approval: BOT Approval:	Permit Fee: Date of Payment: CASE NUMBER:

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#### **BOARD ACTION FORM**

#### ITEM:

University Waterline Replacement - Design Services Proposal from Bohannan Huston dated January 28, 2022

#### **BACKGROUND:**

The Town of Mesilla Public Works Department is requesting authority to enter into a contract with BHI for design services for the University Waterline Replacement Project (Colonias).

#### SUPPORTING INFORMATION:

Copy of Proposal from BHI dated January 28, 2022

#### **BOT OPTIONS:**

- 1. Approve the application.
- 2. Modify the application with conditions.
- 3. Reject the application.

# **Bohannan** A Huston

January 28, 2022

425 S. Telshor Blvd. Suite C-103 Las Cruces, NM 88011-8237

www.bhinc.com

voice: 575.532.8670 facsimile: 575.532.8680

Rod McGillivray, Public Works Director Town of Mesilla 2231 Avenida De Mesilla Mesilla, NM 88046

Re: Engineering Services Proposal

University Avenue Waterline Replacement

Dear Mr. McGillivray

On behalf of Bohannan Huston, Inc. (BHI), please find enclosed the Engineering Services Request scope and fee related to the University Avenue Waterline Replacement project. This proposal is based on previous discussions describing the Town of Mesilla needs and for completing the project prior to the NMDOT project scheduled to begin the Summer of 2023. BHI will provide the engineering services described to create plans that can be bid as a complete package. Bidding and construction phase services are not included in this agreement and can be amendment once construction funds are available.

Attached is the NMED format Engineering Agreement, Attachment I, Attachment II, and Project Schedule. If this proposal scope of work is acceptable, please submit your purchase order authorization for execution. New Mexico Gross Receipts Tax will be added to all invoices.

Sincerely,

Tyler Hopkins, P.E. Vice President

The that

Enclosure(s)

# AGREEMENTS FOR ENGINEERING SERVICES (Publicly Funded Project)

THIS Agreement, made this	day of <u>February</u> 20 <u>22</u> (effective date) by and between <u>Town</u>
of Mesilla hereinafter referred to as	the OWNER, and <u>Bohannan Huston</u> hereinafter referred to
as the ENGINEER. This contract e	expires on

The OWNER intends to construct a Project consisting of replacing an existing 8-inch and 10-inch asbestos concrete water line with a new 8" C900 PVC waterline in University Avenue. The new 8-inch pipeline will connect to an existing 8-inch PVC pipeline near the Avenida de Mesilla and University Avenue intersection and extend approximately 4,000 feet to Old Farm Road. Lateral pipelines and service connections will also be transferred to the new PVC pipeline.

This portion of the pipeline is within a project under design by the New Mexico Department of Transportation to rebuild and add improvements to this roadway corridor. It is the intention of this project for the waterline replacement to be completed prior to the construction of the NMDOT project. Coordination with NMDOT will be necessary to ensure the location of the new waterline does not interfere with planned improvements within the corridor.

This Agreement is for Design Services only, bidding and construction services will be amended once funding is acquired for construction.

in <u>Dona Ana</u> County, State of New Mexico, which may be paid for in part with financial assistance from the United States of America acting through the United States Department of Agriculture – Rural Development, hereinafter referred to as USDA-RD; and/or through the United States Environmental Protection Agency, hereinafter referred to as EPA; and/or the New Mexico Environment Department, hereinafter referred to as NMED; and/or the New Mexico Finance Authority, hereinafter referred to as NMFA; and/or the New Mexico Department of Finance, hereinafter referred to as DFA; all collectively referred to as the Funding Agency. Neither the United States or the State of New Mexico nor any of its departments, agencies, or employees is or will be a party to this Agreement or any subagreement. The ENGINEER agrees to perform the various professional engineering services for the planning, design, and construction of said Project in accordance with the provisions of this Agreement.

#### **CONTENTS**

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- 4. Responsibilities of the OWNER
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- 7. Payment
- 8. Time
- 9. Project Design
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- 11. Subcontracts
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- 14. Mutual Waiver
- 15. Independent Contractor
- 16. Equal Employment Opportunity
- 17. Gratuities
- 18. Covenants Against Contingent Fees
- Cost and Pricing Data on Federally Funded Projects
- 20. Remedies

**ATTACHMENTS** 

21. Assurance Against Debarment

#### **SECTION B - ENGINEERING SERVICES**

Engineer Services During the Planning Phase Engineering Services During the Design Phase Engineering Services During the Construction Phase Engineering Services During the Operation Phase

#### SECTION C - SPECIAL PROVISIONS OR MODIFICATIONS

phase expires on \_\_\_\_\_.

# Attachment I – Insurance - required Attachment II - Engineering Services During the Planning Phase Authorization to proceed date: This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_ Contract Time shall be \_\_\_\_\_ calendar days from Authorization to proceed date. This phase expires on \_\_\_\_\_. Attachment III - Engineering Services During the Design Phase Authorization to proceed date: This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ Contract Time shall be 220 calendar days from Authorization to proceed date. This

Attachment IV - Engineering Services During the Construction Phase  Authorization to proceed date: This day of, 20  Contract Time shall be calendar days from Authorization to proceed date.  phase expires on	This
Attachment V - Engineering Services During the Operation Phase Authorization to proceed date: This day of, 20 Contract Time shall be calendar days from Authorization to proceed date. phase expires on	This
Attachment VI – Amendments to Agreements for Engineering Services  Authorization to proceed date: This day of, 20  Contract Time shall be calendar days from Authorization to proceed date.  phase expires on	This

#### SECTION A - GENERAL PROVISIONS

#### 1. General

- (a) This Agreement represents the entire and integrated Agreement between the OWNER and the ENGINEER for the Project and supersedes all prior negotiations, representations or agreements, either written or oral. In the event, any provisions of this Agreement or any subsequent amendment shall be held to be invalid and unenforceable, the remaining provisions shall be valid and binding upon the parties. One or more waivers by either party of any provision, term, condition or covenant shall not be construed by the other party as a waiver of a subsequent breach of the same by the other party. The General provisions of this Agreement supersede any conflicting SPECIAL PROVISIONS.
- (b) The OWNER and the ENGINEER each is bound and the partners, successors, executors, administrators and legal representatives of the OWNER and the ENGINEER are hereby bound to the other party to this Agreement and to the partners, successors, executors, administrators and legal representatives of such other party, in respect to all covenants, agreements, and obligations of the Agreement. Neither the OWNER nor the ENGINEER may assign, sublet, or transfer any rights under or interest (including, but without limitation, moneys that are due or may be become due) in the Agreement without written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent of an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Unless expressly provided otherwise in this Agreement:
  - (1) Nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by the OWNER or the ENGINEER to any Contractor, Contractor's subcontractor, supplier, other individual or entity, or to any surety for or employee of any of them; and
  - (2) All duties and responsibilities undertaken pursuant to this Agreement will be for sole and exclusive benefit of the OWNER and the ENGINEER and not for the benefit of any other party.
- (c) The ENGINEER will work closely with the OWNER to confirm all Funding Agency requirements are met.
- (d) The ENGINEER will attend conferences and public hearings with the OWNER, at which representatives of the Funding Agency and interested parties will also be in attendance, and provide assistance in connection with such undertakings as provided for in the scope of work detailed in the Attachments.

#### 2. Approvals

- (a) This Agreement shall not become effective until reviewed and approved by the Funding Agency. Such approval shall be evidenced by the signature of a duly authorized representative of the Funding Agency in the space provided in the Attachments to this Agreement. The approval shall in no way commit the Funding Agency to render financial assistance to the OWNER. The Funding Agency is without liability for any payment hereunder, but in the event such assistance is provided, the approval shall signify that the provisions of this Agreement are consistent with the requirements of the Funding Agency.
  - (b) Review or approval of documents by or for the Funding Agency under this Agreement is

for administrative purposes only and does not relieve the ENGINEER or OWNER of their responsibilities to design, construct and operate the Project as required under law, regulations, permits and good management practices.

#### 3. Responsibilities of the ENGINEER

- (a) The ENGINEER shall be responsible for the professional quality, technical accuracy, timely completion, and the coordination of design drawings, specifications, reports, and other services furnished by the ENGINEER under this Agreement. If this Agreement involves environmental measures or data generation, the ENGINEER shall comply with EPA quality assurance requirements that can be found on their website at <a href="http://www.epa.gov/quality/index.html">http://www.epa.gov/quality/index.html</a>. The ENGINEER shall keep the OWNER informed of the performance of the ENGINEER'S duties under this Agreement. The ENGINEER shall, promptly and without additional compensation, correct or revise errors or omissions in the design drawings, specifications, reports, and other services provided by ENGINEER under terms of this Agreement.
- (b) The ENGINEER shall perform the professional services necessary to accomplish the work specified in this Agreement, in accordance with this Agreement and applicable Funding Agency requirements in effect on the date of execution of any assistance agreement for this Project.
- (c) The OWNER or Funding Agency review or approval of design drawings, specifications, reports, and other services furnished hereunder shall not in any way relieve the ENGINEER of responsibility for the technical adequacy of the work. Neither the OWNER nor Funding Agency review, approval or acceptance of, nor payment for any of the services shall be construed as a waiver of action arising out to the performance of this Agreement.
- (d) The ENGINEER shall be, and shall remain, liable to the proportionate extent, in accordance with applicable law, for damages to the OWNER caused by the ENGINEER's negligent performance of any of the services furnished under this Agreement, except for errors, omissions or other deficiencies to the extent attributable to the OWNER or OWNER-furnished data. The ENGINEER shall not be responsible for any time delays in the Project caused by circumstances beyond the ENGINEER'S control.
- (e) The ENGINEER'S opinions of probable Construction Cost are to be made on the basis of the ENGINEER'S experience and qualifications and represent ENGINEER'S best judgment as an experienced and qualified professional generally familiar with the construction industry. However, since the ENGINEER has no control over the cost of labor, materials, equipment, or services furnished by others, or over Contractor's methods of determining prices, or over competitive bidding or market conditions, the ENGINEER cannot and does not guarantee that proposals, bids, or actual Construction Cost and project schedules will not vary from opinions of probable Construction Cost prepared by the ENGINEER. If the OWNER wishes greater assurance as to probable Construction Cost, the OWNER shall employ and independent cost estimator.
- (f) During the Construction Phase, the ENGINEER shall not at any time supervise, direct, or have control over the Contractor's work, nor shall the ENGINEER have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by the Contractor, for security or safety at the Site, for safety precautions and programs incident to the Contractor's work in progress, nor for any failure of the Contractor to

comply with Laws and Regulations applicable to the Contractor's furnishing and performing the Work.

- (g) The standard of care of all professional engineering and related services performed or furnished by the ENGINEER under this Agreement will be the care and skill ordinarily used by members of subject profession practicing under similar circumstances at the same time and in the same locality. The ENGINEER makes no warranties, expressed or implied, under this Agreement or otherwise, in connection with the ENGINEER'S services.
- (h) The ENGINEER's obligations under this clause are in addition to the ENGINEER's other express or implied assurances under this Agreement or State law and in no way diminish any other rights that the OWNER may have against the ENGINEER for faulty materials, equipment, or work.

#### 4. Responsibilities of the OWNER

- (a) The OWNER shall designate in writing a person authorized to act as the OWNER's representative. The OWNER or its representative shall receive and examine documents submitted by the ENGINEER, interpret and define the OWNER's policies and render decisions and authorizations promptly in writing.
- (b) The OWNER shall be responsible for, and the ENGINEER may rely upon, the accuracy and completeness of all requirements, programs, instructions, reports, data, and other information furnished by the OWNER to the ENGINEER pursuant to this Agreement. The ENGINEER may use such requirements, programs, instructions, reports, data, and information in performing or furnishing services under this Agreement without responsibility for verifying accuracy of the OWNER furnished data and information.
- (c) The OWNER shall provide to the ENGINEER full and free access to enter upon all property required for the performance of the ENGINEER's services under this Agreement.
- (d) The OWNER may make and retain copies of documents for information and reference in connection with use on the Project by the OWNER. Such documents are not intended or represented to be suitable for reuse by the OWNER or others on extensions of the Project or on any other project. Any such reuse or modification without written verification or adaptation by the ENGINEER will be at the OWNER's sole risk and without liability or legal exposure to the ENGINEER. Any verification or adaptation as stated above, will entitle the ENGINEER to further compensation at rates to be agreed upon by the OWNER and the ENGINEER.

#### 5. Changes

(a) The OWNER and the ENGINEER may, at any time, with prior approval of the Funding Agency, make changes within the general scope of this Agreement in the services or work to be performed. Any such change must be in writing and approved by both parties to this Agreement. If such changes cause an increase or decrease in the ENGINEER's cost or time required to perform any services under this Agreement, whether or not changed by any order, the OWNER shall make an equitable adjustment and modify this Agreement in writing. The ENGINEER must assert any claim for adjustment under this clause in writing within thirty (30) calendar days from the date it receives the OWNER's notification of change, unless the OWNER grants additional time before the date of final payment.

- (b) No services for which the ENGINEER will charge an additional compensation shall be furnished without the written authorization of the OWNER.
- (c) All changes to the scope, cost or time of this Agreement and services described in the Attachments must be in writing and documented in Attachment VI Amendment to Agreements for Engineering Services.

#### 6. Termination of Contract

- (a) This Agreement may be terminated in whole or in part by either party in the event of substantial failure by the other party to fulfill its obligations under this Agreement through no fault of the terminating party. Any termination must be in writing. No such termination may be effected unless the other party is given: 1) not less than fourteen (14) calendar days written notice (delivered by certified mail, return receipt requested) of intent to terminate; and 2) an opportunity to cure the default with the terminating party before termination.
- (b) This Agreement may be terminated in whole or in part in writing by the OWNER for its convenience, provided that the ENGINEER is given: 1) not less than fourteen (14) calendar days written notice (delivered by certified, return receipt requested) of intent to terminate; and 2) an opportunity for consultation with the OWNER prior to termination.
- (c) If termination for default is effected by the OWNER, an equitable adjustment in the price provided for in this agreement shall be made, but: 1) no amount shall be allowed for anticipated profit on unperformed services or other work; and 2) any payment due to the ENGINEER at the time of termination may be adjusted to cover any additional costs to the OWNER because of the ENGINEER's default. If the ENGINEER effects termination for default, or if the OWNER effects termination for convenience, the equitable adjustment shall include a reasonable profit for services or other work performed. The equitable adjustment for any termination shall provide for payment to the ENGINEER for services rendered and expenses incurred prior to the termination, in addition to termination settlement costs reasonably incurred by the ENGINEER relating to commitments which had become firm prior to the termination.
- (d) Upon receipt of a termination action under paragraphs (a) or (b) above, the ENGINEER shall: 1) promptly discontinue all affected work (unless the notice directs otherwise); and 2) deliver or otherwise make available to the OWNER within fourteen (14) calendar days copies of all data, design drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by the ENGINEER in performing this Agreement, whether completed or in process.
- (e) Upon termination under paragraphs (a) or (b) above, the OWNER may take over the work and may award another party an Agreement to complete the work under this Agreement.
- (f) If, after termination for failure of the ENGINEER to fulfill contractual obligations, it is determined that the ENGINEER had not failed to fulfill contractual obligations, the termination shall be deemed to have been for the convenience of the OWNER. In such event, adjustment of the Agreement price shall be made as provided in paragraph 6(c) of this clause.

#### 7. Payment

(a) The ENGINEER will submit to the OWNER for services rendered an itemized bill showing charges for such services accompanied by any additional documentation requested by the OWNER. Such invoices are limited to no more than one per month. Compensation will be based on the lump sum or standard hourly rate with a maximum method of payment as detailed

in the Attachments.

- (b) The OWNER shall pay the ENGINEER applicable gross receipt taxes and reimbursable expenses at the rates set forth in the appropriate Attachment. The amounts payable to the ENGINEER for reimbursable expenses will be the project-related internal expenses, such as reproduction, and all invoiced external reimbursable expenses allocatable to the project, including consultants, multiplied by a factor of 1.1 (1.1 MAXIMUM). Mileage will be reimbursed at the current federally approved IRS rate. Mileage and per diem will not be multiplied by a factor. Reimbursable expenses shall not exceed the estimate in the Attachments without prior written approval of the OWNER, with Funding Agency concurrence. Copies of invoices from consultants, mileage logs, and receipts for which the ENGINEER is requesting reimbursement must accompany the ENGINEER'S invoice.
- (c) The OWNER shall notify the ENGINEER of any disputed amounts in the invoices within fourteen (14) calendar days of receipt. If the OWNER contests an invoice, the OWNER may withhold only that portion so contested, and must pay the undisputed portion.
- (d) Final Payment under this Agreement, or settlement upon termination of this Agreement, shall not constitute a waiver of the OWNER's claims against the ENGINEER under this Agreement.
- (e) If the OWNER fails to make any payment due to the ENGINEER within forty-five (45) calendar days after the OWNER's receipt of the ENGINEER's invoice, the amount due to the ENGINEER shall be increased at the rate of 1.5% per month from said forty-fifth day. Any payment of interest under this contract is not reimbursable from grant or loan funds. In addition, after ten (10) calendar days' prior written notice, the ENGINEER may suspend services under this Agreement until the ENGINEER is paid in full. The OWNER waives any and all claims against the ENGINEER for any such suspension.

#### 8. Time

#### (a) PROGRESS AND COMPLETION

- 1. The ENGINEER has prepared and the OWNER has approved a schedule for the performance of the ENGINEER's services. This schedule is reflected in the contract time(s) as detailed in the Attachment(s) and represents reasonable times in which to complete the services. The schedule includes reasonable times required for the OWNER and other applicable parties to the agreement to provide necessary information, provide any applicable services not included in the ENGINEER's Scope of Work and make decisions necessary for completion of the work. The schedule also includes reasonable allowances for review and approval times required by the OWNER and by public authorities having jurisdiction over the Project. The schedule shall be equitably adjusted as the Project progresses, allowing for changes in scope, character or size of the Project requested by the OWNER, or for delays or other causes beyond the ENGINEER's reasonable control.
- 2. The ENGINEER shall proceed expeditiously, consistent with professional skills, with adequate forces to achieve completion within the Contract Time.
- 3. The OWNER shall not be liable to the ENGINEER for additional time or money if the ENGINEER submits a progress report expressing an intention to achieve completion of the Work prior to the Contract Time and then is not able to achieve intended accelerated

- schedule regardless of the reason.
- 4. If the ENGINEER is delayed at any time in the commencement or progress of the Work by an act or negligence of the OWNER, changes in the Work as agreed upon by the OWNER and the ENGINEER in writing, or other causes beyond the ENGINEER'S control, then the Contract Time may be extended per Section 5 of this Agreement. Extensions of time not associated with modifications or changes to the Work shall not be allowed to increase the Contract amount for overhead or for any other reason and shall strictly apply toward liquidated damages, as found in Subsection (b) of this Section.
- 5. The ENGINEER shall promptly notify the OWNER in writing of any conditions that may delay delivery of work beyond the Contract Time.
- 6. The OWNER shall make decisions and carry out its other responsibilities in a timely manner so as not to delay the ENGINEER'S performance of its Services.
- (b) CONTRACT TIME AND LIQUIDATED DAMAGES
- 1. The ENGINEER agrees that the Services being provided under this Agreement will be performed regularly, diligently and without interruption at such rate of progress as will provide for completion within the Contract Time. It is expressly understood and agreed, by and between the ENGINEER and the OWNER, that the Contract Time is a reasonable time for completion of the Services, taking into consideration the usual conditions for performing the Services. The ENGINEER agrees to promptly notify the OWNER of delays in completing the services under this Agreement that are beyond ENGINEER's control and for which a Contract Time extension will be requested. If the ENGINEER neglects, fails, or refuses to complete the Services within the Contract Time, including any time extension granted by the OWNER, then the ENGINEER agrees to pay the OWNER the amount specified in the Attachments, not as a penalty, but as liquidated damages.
- 2. The parties agree that the amount of the likely damages to the OWNER for such delay is difficult to ascertain at the time of execution of this Agreement, but that a reasonable estimate of such damages may be deducted from any monthly payments due to the ENGINEER, or from other monies being withheld from the ENGINEER, when a reasonable estimate of the expected date of completion can be determined by the OWNER.
- 3. Final accounting of liquidated damages shall be determined at completion and the ENGINEER shall be liable for any liquidated damages over and above unpaid balances held by the OWNER.
- 4. The OWNER and the ENGINEER agree that reasonable liquidated damages for delay (but not as a penalty) due from the ENGINEER to the OWNER are \$100.00 (minimum one-hundred dollars [\$100.00] per day) for each calendar day that expires after the Contract Time specified in the Agreement until the Work is complete and accepted by the OWNER. The OWNER shall have no more than ten (10) calendar days to accept or reject the Work.

#### 9. Project Design

Unless otherwise approved by the OWNER and Funding Agency, the ENGINEER shall specify materials, equipment, and processes that are readily available through competitive procurement and consistent with State and Federal regulations.

#### 10. Audits and Access to Records

- (a) The ENGINEER shall maintain books, records, documents, and other evidence directly pertinent to performance on work under this Agreement in accordance with generally accepted accounting principles and practices consistently applied, and Funding Agency regulations in effect on the date of execution of this Agreement. The ENGINEER shall also maintain the financial information and data used by the ENGINEER in the preparation of the cost submission required under EPA regulations in effect on the date of execution for any negotiated agreement or amendment thereof. and a copy of the cost summary submitted to the OWNER. The Funding Agency, the Comptroller General of the United States, the U.S. Department of Labor, the OWNER, and the State water pollution control agency, or their duly authorized representatives, shall have access to such books, records, documents, and other evidence for inspection, audit, and copying during normal business hours. The ENGINEER will provide proper facilities for such access and inspection.
- (b) The ENGINEER agrees to make paragraphs (a) through (f) applicable to agreements it awards in excess of \$10,000, at any tier, and to make paragraphs (a) through (f) of this clause applicable to all amendments directly related to Project performance.
- (c) Audits conducted under this provision shall be in accordance with generally accepted auditing standards and established procedures and guidelines of the reviewing or audit agency(ies) and the General Accounting Office.
- (d) The ENGINEER agrees to disclose all information and reports resulting from access to records under paragraphs (a) and (b) of this clause to any of the agencies referred to in paragraph (a) upon their request.
- (e) Records under paragraphs (a) and (b) above shall be maintained and made available by the ENGINEER during performance of services under this Agreement and for three (3) years from the date of final Federal/State assistance payment to the OWNER for the Project. In addition, those records which relate to any controversy arising under this Agreement, litigation, the settlement of claims arising out of such performance or to costs or items to which an audit exception has been taken shall be maintained and made available by the ENGINEER until three (3) years after the date of resolution of such appeal, litigation, claim or exception.
- (f) This right of access clause applies to financial records pertaining to agreements (except formally advertised, competitively awarded, fixed price agreements) and agreement amendments regardless of the type of agreement. In addition, this right of access applies to records pertaining to all agreements and agreement amendments:
  - 1. To the extent the records pertain directly to Agreement performance; or
  - 2. If there is any indication that fraud, gross abuse or corrupt practices may be involved; or
  - 3. If the Agreement is terminated for default or for convenience.

#### 11. Subcontracts

- (a) Any subcontractors and outside associates or consultants required by the ENGINEER in connection with services under this Agreement will be limited to such individuals or firms as were specifically identified and agreed to during negotiations of this Agreement. The OWNER must give prior approval for any substitutions, additions or deletions to such subcontractors, associates, or consultants but will not dictate whom the ENGINEER must hire.
- (b) The ENGINEER may not subcontract services to subcontractors or consultants in excess of thirty (30) percent of the total phased compensation due to the ENGINEER and detailed in the Attachments without prior written approval of the OWNER and funding agency.

#### 12. Insurance

The ENGINEER agrees to obtain and maintain, at their expense, such insurance as specified in Attachment I.

#### 13. Environmental Condition of Site

- (a) The OWNER has disclosed to the ENGINEER in writing the existence of all known and suspected Asbestos, PCBs, Petroleum, Hazardous Waste, Radioactive Material, hazardous substances, and other Constituents of Concern located at or near the Site, including type, quantity, and location.
- (b) The OWNER represents to the ENGINEER that to the best of its knowledge no Constituents of Concern, other than those disclosed in writing to the ENGINEER, exist at the Site.
- (c) If the ENGINEER encounters an undisclosed Constituent of Concern, then the ENGINEER shall notify: 1) the OWNER; and 2) appropriate governmental officials if the ENGINEER reasonably concludes that doing so is required by applicable Laws or Regulations.
- (d) It is acknowledged by both parties that the ENGINEER'S scope of services does not include any services related to Constituents of Concern. If the ENGINEER or any other party encounters an undisclosed Constituent of Concern, or if investigative or remedial action, or other professional services, are necessary with respect to disclosed or undisclosed Constituents of Concern, then the ENGINEER may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Project affected thereby until the OWNER: 1) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the Constituents of Concern; and 2) warrants that the Site is in full compliance with applicable Laws and Regulations.
- (e) If the presence at the Site of undisclosed Constituents of Concern adversely affects the performance of the ENGINEER'S services under this Agreement, then the ENGINEER shall have the option of: 1) accepting an equitable adjustment in its compensation or in the time of completion, or both; or 2) terminating this Agreement for cause on 30 calendar days' notice.
- (f) Owner acknowledges that the ENGINEER is performing professional services for the OWNER and that the ENGINEER is not and shall not be required to become an "arranger," "operator," "generator," or "transporter" of hazardous substances, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, which are or may be encountered at or near the Site in connection with the ENGINEER'S activities under this Agreement.

#### 14. Mutual Waiver

To the fullest extent permitted by law, the OWNER and the ENGINEER waive against each other, and the other's employees, officers, directors, agents, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to the Project.

#### 15. Independent Contractor

The ENGINEER will, at all times during the performance of this Agreement and in connection with the Services, be deemed to be an Independent Contractor. No relationship of employer-employee or agency or other fiduciary capacity is created by this Agreement or by the ENGINEER'S performance of the Services.

#### 16. Equal Employment Opportunity

The ENGINEER shall comply with U.S. Executive Order 11246, entitled "Equal Employment Opportunity", as amended by U.S. Executive Order 11375, and as supplemented in Department of Labor regulations 41 CFR Part 60.

#### 17. Gratuities

- (a) If the OWNER find that the ENGINEER or any of the ENGINEER's agents or representatives offered or gave gratuities (in the form of entertainment, gifts, or otherwise), to any official, employee, or agent of the OWNER or the Funding Agency in an attempt to secure this Agreement, or favorable treatment in awarding, amending or making any determinations related to the performance of this Agreement, the OWNER may, by written notice to the ENGINEER, terminate this Agreement. The OWNER may also pursue other rights and remedies that the law or this Agreement provides. However, the existence of the facts on which the OWNER bases such findings shall be in issue and may be reviewed in proceedings under the Remedies clause of this Agreement.
- (b) In the event this Agreement is terminated as provided in Subsection (a) of this Section, the OWNER may pursue the same remedies against the ENGINEER as it could pursue in the event of a breach of the Agreement by the ENGINEER. As a penalty, in addition to any other damages to which it may be entitled by law, the OWNER may pursue exemplary damages in an amount (as determined by the OWNER) which shall be not less than three nor more than ten times the costs the ENGINEER incurs in providing any such gratuities to any such officer or employee.

#### 18. Covenant Against Contingent Fees

The ENGINEER represents that no person or selling agency has been employed or retained to solicit or secure this Agreement upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the ENGINEER for the purpose of securing business. For breach or violation of this assurance the OWNER shall have the right to annul this Agreement without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fees.

#### 19. Cost and Pricing Data on Federally-funded Projects (delete section if not applicable)

The ENGINEER and its subcontractor(s) confirm that cost and pricing data submitted for

evaluation with respect to negotiation of prices for negotiated agreements, lower tier subagreements, or amendments are based on current, accurate, and complete data supported by their books and records. If the OWNER, or Funding Agency determines that any price (including profit) negotiated in connection with this Agreement, any lower tier subagreement, or any amendment thereunder was increased by any significant sums because the data provided was incomplete, inaccurate, or not current at the time of submission, then such price or cost or profit shall be reduced accordingly; and this Agreement shall be modified in writing to reflect such action. Failure to agree on a reduction shall be subject to the Remedies clause of this Agreement.

#### 20. Remedies

Unless otherwise provided in this Agreement, all claims, counter-claims, disputes, and other matters in question between the OWNER and the ENGINEER arising out of or relating to this Agreement or the breach of it will be decided by non-binding mediation or arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State in which the OWNER is located.

#### 21. Assurance Against Debarment

The ENGINEER confirms that it and its subcontractors have not been suspended or debarred by EPA, USDA, or the State of New Mexico.

#### SECTION B - ENGINEERING SERVICES

The ENGINEER shall furnish ENGINEERING SERVICES as follows in accordance with the GENERAL PROVISIONS of the Agreement and as authorized by the appropriate Attachment to this Agreement:

- 1. The ENGINEER shall complete the ENGINEERING SERVICES described in Attachment II <u>Engineering Services During the Planning Phase</u> within the time specified from the date of written authorization to proceed unless otherwise mutually agreed to in writing by both parties.
- 2. The ENGINEER shall complete the ENGINEERING SERVICES described in Attachment III Engineering Services During the Design Phase within the time specified from the date of written authorization to proceed unless otherwise mutually agreed to in writing by both parties.
- 3. ENGINEER shall complete the ENGINEER SERVICES described in Attachment IV Engineering Services During the Construction Phase within the time specified from the date of written authorization to proceed unless otherwise mutually agreed to by both parties.
- 4. The ENGINEER shall complete the ENGINEERING SERVICES described in Attachment V <u>Engineering Services During the Operation Phase</u> within the time specified from the date of written authorization to proceed unless otherwise mutually agreed to in writing by both parties.

# SECTION C – SPECIAL PROVISIONS OR MODIFICATIONS TO THE STANDARD LANGUAGE IN THIS AGREEMENT

(Mark those that apply or describe, attach or indicate "None")
None
Town of Mesilla using Icoal funds for Design Engineering Services and seeking Colonias funding for bidding, construction oversight and construction.
For Planning Grant Funds from NMFA Insert the note: For Preliminary Engineering Reports or other documents paid for using NMFA Planning Grant Funds, the community can only submit one reimbursement request. This request for payment must be based on a final invoice and can only occur after the document is approved by the pertinent reviewing agency. Interim payments to the engineer will be at the discretion of the community as agreed upon in this contract.
The terms of this Agreement are contingent upon sufficient appropriations and authorization being made by the Legislature of New Mexico for the performance of this Agreement. If sufficient appropriations and authorization are not made by the Legislature, the OWNER may immediately terminate this Agreement by giving the ENGINEER written notice of such termination. The OWNER's decision as to whether sufficient appropriations are available shall be accepted by the ENGINEER and shall be final. The ENGINEER hereby waives any rights to assert an impairment of contract claim against the OWNER or NMED or the State of New Mexico in the event of immediate or Early Termination of this Agreement by the OWNER or the Department
This contract is funded in whole or in part by funds made available under a NMED Grant Agreement. Should the NMED early terminate the grant agreement, the OWNER may early terminate this contract by providing the ENGINEER written notice of such termination. In the event of termination pursuant to this paragraph, the OWNER's only liability shall be to pay the ENGINEER or vendor for acceptable goods delivered and services rendered before the termination date.
MODEL CONTRACT CLAUSE FOR ENGINEERING AGREEMENTS used for Clean Water State Revolving Fund (CWSRF) or Drinking Water State Revolving Fund (DWSRF) projects.

#### 1. PRIVITY OF CONTRACT

This contract is expected to be funded in part with funds from the U.S. Environmental Protection Agency. Neither the United States nor any of its departments, agencies or employees is, or will be, a party to this contract or any lower tier contract. This contract is subject to the applicable EPA procurement regulations in effect on the date of the assistance award for this project.

#### 2. CHANGES

1. The OWNER may at any time, by written order make changes within the general scope of this contract in the services to be performed. If such changes cause an increase or decrease in

the ENGINEER'S cost or time required to perform any services under this contract, whether or not changed by any order, the OWNER shall make an equitable adjustment and modify this contract in writing. The ENGINEER must assert any claim for adjustment under this clause in writing within 30 days from the date it receives the OWNER'S notification of change, unless the OWNER grants additional time before the date of final payment.

- 2. No claim by the ENGINEER for an equitable adjustment shall be allowed if made after final payment under this contract.
- 3. No services for which the ENGINEER will charge an additional compensation shall be furnished without the written authorization of the OWNER.

#### 3. TERMINATION

- a. This contract may be terminated in whole or in part in writing by either party in the event of substantial failure by the other party to fulfill its obligations under this contract through no fault of the terminating party, provided that no termination may be effected unless the other party is given (1) not less than ten (10) calendar days written notice (delivered by certified mail, return receipt requested) of intent to terminate, and (2) an opportunity for consultation with the terminating party prior to termination.
- b. This contract may be terminated in whole or in part in writing by the OWNER for its convenience, provided that the ENGINEER is given: 1) not less than ten (10) calendar days' written notice (delivered by certified mail, return receipt requested) of intent to terminate, and; 2) an opportunity for consultation with the terminating party prior to termination.
- c. If termination for default is effected by the OWNER, an equitable adjustment in the price provided for in this contract shall be made, but: 1) no amount shall be allowed for anticipated profit on unperformed services or other work; and 2) any payment due to the ENGINEER at the time of termination may be adjusted to cover any additional costs to the OWNER because of the ENGINEER'S default. If the ENGINEER effects termination for default, or if the OWNER effects termination for convenience, the equitable adjustment shall include a reasonable profit for services or other work performed. The equitable adjustment for any termination shall provide for payment to the ENGINEER for services rendered and expenses incurred prior to the termination, in addition to termination settlement costs reasonably incurred by the ENGINEER relating to commitments which had become firm prior to the termination.
- d. Upon receipt of a termination action under paragraphs (a) or (b) above, the Engineer shall (1) promptly discontinue all affected work (unless the notice directs otherwise), and (2) deliver or otherwise make available to the Owner all data, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by the Engineer in performing this contract, whether completed or in process.
- e. Upon termination under paragraphs (a) or (b) above, the Owner may take over the work and may award another party a contract to complete the work under this contract.
- f. If, after termination for failure of the Engineer to fulfill contractual obligations, it is determined that the Engineer had not failed to fulfill contractual obligations, the termination shall be deemed to have been for the convenience of the Owner. In such event, adjustment of the sub-agreement price shall be made as provided in paragraph (c) of this clause.

#### 4. REMEDIES

Unless otherwise provided in this contract, all claims, counter-claims, disputes and other matters in question between the OWNER and the ENGINEER arising out of, or relating to, this contract or the breach of it will be decided, if the parties mutually agree, by arbitration, mediation, or other alternative dispute resolution mechanism; or in a court of competent jurisdiction within the State in which the OWNER is located.

#### 5. AUDIT; ACCESS TO RECORDS

- a. The ENGINEER shall maintain books, records, documents and other evidence directly pertinent to performance on EPA funded work under this contract in accordance with generally accepted accounting principles and practices consistently applied, and the applicable EPA regulations in effect on the date of execution of this contract. The ENGINEER shall also maintain the financial information and data used in the preparation or support of any cost submission required under applicable regulations for negotiated contracts or change orders and a copy of the cost summary submitted to the OWNER. The United States Environmental Protection Agency, the Comptroller General of the United States, the United States Department of Labor, the OWNER, and [the State] or any of their authorized representatives shall have access to all such books, records, documents and other evidence for the purpose of inspection, audit and copying during normal business hours. The ENGINEER will provide proper facilities for such access and inspection.
- b. If this is a fixed price contract awarded through sealed bidding or otherwise on the basis of effective price competition, the ENGINEER agrees to make paragraphs (a) through (f) of this clause applicable to all negotiated change orders and contract amendments affecting the contract price. In the case of all other types of prime contracts, the ENGINEER agrees to make paragraphs (a) through (f) applicable to all contract awards in excess of \$10,000, at any tier, and to make paragraphs (a) through (f) of this clause applicable to all change orders directly related to project performance.
- c. Audits conducted under this provision shall be in accordance with generally accepted auditing standards and with established procedures and guidelines of the reviewing or audit agency(ies).
- d. The ENGINEER agrees to disclose all information and reports resulting from access to records under paragraphs (a) and (b) of this clause to any of the agencies referred to in paragraph (a).
- e. Access to records is not limited to the required retention periods. The authorized representatives designated in paragraph (a) of this clause shall have access to records at any reasonable time for as long as the records are maintained.
- f. This right of access clause applies to financial records pertaining to all contracts (except for fixed price contracts awarded through sealed bidding or otherwise on the basis of effective price competition) and all contract change orders regardless of the type of contract, and all contract amendments regardless of the type of contract. In addition, this right of access applies to all records pertaining to all contracts, contract change orders and contract amendments:
  - 1. To the extent the records pertain directly to contract performance:
  - 2. If there is any indication that fraud, gross abuse or corrupt practices may be involved; or

3. If the sub-agreement is terminated for default or for convenience.

#### 6. COVENANT AGAINST CONTINGENT FEES

The ENGINEER assures that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee excepting bona fide employees or bona fide established commercial or selling agencies maintained by the ENGINEER for the purpose of securing business. For breach or violation of this assurance, the OWNER shall have the right to annul this agreement without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover the full amount of such commission, percentage, brokerage or contingent fee.

#### 7. GRATUITIES

a. If the OWNER finds after a notice and hearing that the ENGINEER or any of the ENGINEER'S agents or representatives offered or gave gratuities (in the form of entertainment, gifts or otherwise) to any official, employee or agent of the OWNER, the State or EPA in an attempt to secure a contract or favorable treatment in awarding, amending or making any determinations related to the performance of this contract, the OWNER may, by written notice to the ENGINEER, terminate this contract. The OWNER may also pursue other rights and remedies that the law or this contract provides.

b. In the event this contract is terminated as provided in paragraph (a), the OWNER may pursue the same remedies against the ENGINEER as it could pursue in the event of a breach of the contract by the ENGINEER, and as a penalty, in addition to any other damages to which it may be entitled by law, be entitled to exemplary damages in an amount (as determined by the Owner) which shall be not less than three nor more than ten times the costs the ENGINEER incurs in providing any such gratuities to any such officer or employee.

#### 8. FINAL PAYMENT

Upon satisfactory completion of the work performed under this contract, as a condition before final payment under this contract or as a termination settlement under this contract the ENGINEER shall execute and deliver to the OWNER a release of all claims against the OWNER arising under, or by virtue of, this contract, except claims which are specifically exempted by the ENGINEER to be set forth therein. Unless otherwise provided in this contract, by State law or otherwise expressly agreed to by the parties to this contract, final payment under this contract or settlement upon termination of this contract shall not constitute a waiver of the OWNER'S claims against the ENGINEER under this contract.

#### 9. 40 CFR Part 33

The contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in termination of this contract or other legal available remedies.

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed, by their duly authorized officials, this Agreement on the respective dates indicated below.

The parties further certify by their signatures below that no modifications have been made to the standard language of this Agreement, other than those detailed in Section C.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date of the signature by the required approval authorities below.

ву:		Date:
	OWNER	
	Type Name Nora L. Barraza	
	Title Mayor	
	Alson	1/20/-
By:	Mollem	Date: //28/2022
	ENGINEER	
	Type Name Matthew R. Thompsor	<u>, PE</u>
Title	Senior Vice President	<del></del>
Addre	ss <u>425 S. Telshor Blvd.</u>	
	Suite C-103	
	Las Cruces, NM 88011	
	<u> </u>	
DEVAL	TAKED AND ADDDOVED, EUNDING	ACENOV
	EWED AND APPROVED: FUNDING	AGENCY
AGEN	CY NAME:	
Ву		
Type I	Name	
Date		

#### ATTACHMENT I - Insurance

The ENGINEER agrees to obtain and maintain, at the ENGINEER's expense, such insurance as will protect the ENGINEER from claims under the Workman's Compensation Act and such comprehensive general liability and automobile insurance as will protect the OWNER and the ENGINEER from all claims for bodily injury, death, or property damage which may arise from the performance by the ENGINEER, or by the ENGINEER's employees, for the ENGINEER's functions and services required under this Agreement. Such insurance shall be in an amount not less than \$1,000,000 for injury to any one person and \$1,000,000 on account of any one accident and in the amount of not less than \$1,000,000 for property damage. The ENGINEER further agrees to procure and maintain professional liability (errors and omissions) insurance in an amount not less than \$2,000,000 per claim and in the aggregate. Prior to commencement of any work, the ENGINEER shall furnish to the OWNER a certificate that complies with this paragraph. The certificate shall provide that the policy shall not be canceled until at least ten (10) calendar days prior written notice shall have been given to the OWNER. ENGINEER shall provide annual updates of the certificate to demonstrate the policy remains in effect for the duration of this Agreement.

#### ATTACHMENT III – Engineering Services During the Design Phase

- 1. As set forth in the AGREEMENT FOR ENGINEERING SERVICES dated the \_\_\_\_\_day of Feburary, 2022 (effective date) by and between the Town of Mesilla, the OWNER, and Bohannan Huston, Inc., the ENGINEER, the OWNER and ENGINEER agree this \_\_\_\_\_ day of February, 2022 (authorization to proceed date) that ENGINEER shall furnish ENGINEERING SERVICES During the Design Phase in accordance with the GENERAL PROVISIONS of the Agreement and OWNER shall compensate the ENGINEER for services described as set forth below:
  - A. Perform or provide the following tasks and/or deliverables:

The project's engineering services are broken down into four distinct tasks identified below in a work task outline:

#### **DESIGN PHASE:**

<u>Task 1 – Project Communication and Management</u>

Task 2 – Right-of-Way Permits and Coordination

<u>Task 3 – 60% Draft Design Plans and Construction Cost Estimate</u>

<u>Task 4 – 95% Draft and Final Stamped Design Plans, Construction Cost Estimate,</u>

Contract Documents and Technical Specifications

#### Task 1: Project Communications and Management

Objective: Provide effective communications, coordination, meetings, and project management for the Project through the design phase to project final commissioning.

Approach: ENGINEER will conduct an initial Project Kick-off Meeting with the OWNER and other stakeholders to obtain additional Project information, to obtain OWNER input, and to develop critical success factors for design and implementation of the Project. As part of this meeting, OWNER goals and constraints will be identified to assist the ENGINEER in screening and evaluation of preliminary design alternatives in order to upgrade the facilities while continuing to maintain operation. Subsequent design phase meetings with OWNER staff and operations team members will be conducted, as required, to complete the Project deliverables.

The ENGINEER and OWNER will have regular conference calls and email communications to keep the OWNER informed of the Project's progress and obtain additional input from the OWNER. The ENGINEER will provide a monthly progress report attached to monthly invoicing that summarizes the work completed since the last report, work to be completed during the next period, budget status, issues and concerns, and schedule status. The ENGINEER shall attend one (1) meeting per month to update OWNER staff on the current status of specific design activities and get input needed to maintain the design phase schedule.

Other Project management responsibilities to be completed under this task include management of subcontracts, project accounting, scheduling and budget tracking, and maintenance of project files.

#### Assumptions:

1. An initial kick-off meeting will be held at the OWNER's or BHI's offices with OWNER staff, ENGINEER's project manager and project engineer, and other stakeholders that may be identified by the OWNER.

#### **Deliverables:**

- Kick-off meeting agenda and meeting minutes
- 2. Monthly progress reports delivered via e-mail
- 3. Regular conference meeting minutes
- 4. Monthly invoices for ENGINEER's services

#### Task 2: Right-of-Way Permits and Coordination

Objective: ENGINEER will prepare public Right-of-Way applications to acquire permits from Elephant Butte Irrigation District (EBID) and New Mexico Department of Transportation (NMDOT). ENGINEER will coordinate the design and installation of the new waterline with NMDOT's improvements to the University Avenue corridor.

#### Task Work Elements:

1. Complete permit application with appropriate final design plan attachments for NMDOT and EBID review, modification if necessary, and approval.

#### Assumptions:

- 1. ENGINEER will forward all permit application fees, if applicable, to OWNER for payment processing directly.
- Deliverables:
- NMDOT permit
- 2. EBID permits

#### Task 3: 60% Draft Design Plans

Objective: ENGINEER will prepare 60% complete construction drawings in plan format to be displayed on 24" x 36" layout drawings for OWNER review. The intent of this phase is to incorporate OWNER review comments prior to initiation of final details and coordinate final pipeline alignment with new NMDOT University Avenue renovation work. Task Work Elements:

1. Create refined preliminary design plan layouts, profiles, and sections.

- 2. Confirm pipeline alignment and resolve any potential conflicts.
- Identify limits of Project construction.
- 4. Coordinate with OWNER to identify locations of existing lateral pipelines and service connections to be reconnected to the new pipeline and incorporated into the design.
- 5. Perform a constructability review of the proposed Project elements. Identify all Project elements requiring specialized construction methods and review alternatives.
- 6. Prepare technical specifications for all work elements using Construction Specifications Institute (CSI) divisions 1 through 48.
- 7. Prepare a preliminary opinion of probable construction costs for the proposed improvements.

All design will comply with any applicable OWNER Utility Standards or Details.

ENGINEER will consult with OWNER staff and all other affected departments during the design phase in coordination meetings to identify special project needs as the design develops. ENGINEER will complete the design drawings to approximately 60% and submit to OWNER staff for review and comments. ENGINEER will incorporate OWNER 60% review comments and begin preparation of 95% draft review set.

A preliminary opinion of construction cost will be provided with the 60% preliminary draft drawings. The cost estimate will be in bid schedule unit price format with plan quantities and unit costs shown for each work element. Unit costs will be aggregate costs from recent ENGINEER projects for installed prices – all material, equipment, labor, overhead and profit included.

#### Assumptions:

- 1. The ENGINEER's standard technical specifications, in CSI format will be used as a basis for Divisions 1 through 48. The Project specifications will be customized to clearly describe the scope of work, material requirements, execution requirements, submittal requirements, testing procedures, measurement, and payment necessary for the bidding and construction of the treatment plant facilities to be constructed.
- 2. ENGINEER will utilize recent survey and pothole information acquired for the NMDOT project for the drawing backgrounds and design basis. No additional survey will be completed for this project.

#### Deliverables:

• Two (2) paper copies and digital PDF of 60% review drawings, specifications, and preliminary construction cost estimate.

#### Task 4: 95% Final Draft and Final Stamped Design Plans

Objective: ENGINEER will prepare 95% construction drawings in plan format to be displayed on 24" x 36" layout drawings for OWNER review. The intent of this task is to incorporate final OWNER review comments prior to finalizing and stamping the construction document set. All remaining associated construction details related to surface rehabilitation and pipeline replacement will be shown. Final construction

phasing and staging details of the installation will be provided, as required to define all remaining work elements. ENGINEER will also create and include in the 95% draft construction drawings a traffic control plan suitable for construction and acquisition of the NMDOT permit.

Final draft technical specifications for the construction of the project work will also be provided for review with this submittal. ENGINEER will provide all construction contract related documents in EJCDC form or Owner basis of contract documents. ENGINEER will compile all contract documents, technical specifications and plans into a construction document set for use in project bidding. ENGINEER will complete the design drawings to approximately 95% and submit to OWNER staff for review and comments. ENGINEER will incorporate 95% review comments and provide a stamped plan set suitable for obtaining bids from licensed contractors within a public bidding process.

A final opinion of construction cost will be provided for final draft construction drawings. The cost estimate will be in bid schedule unit price format with plan quantities and unit costs shown for each work element. Unit costs will be aggregate costs from recent ENGINEER projects for installed prices – all material, equipment, labor, overhead and profit included.

#### Deliverables:

- Two (2) paper copies and digital PDF of 95% review drawings, technical specifications, and final draft cost estimate.
- One (1) paper copy of final stamped contract documents, technical specifications, drawings, and cost estimate. One (1) USB drive with ACAD, Word, and Adobe PDF project files suitable for reproduction or website incorporation for document distribution.
- B. Cost Proposal Include hourly breakdown for each task

Task	Description	Туре	Fee Amount
1	Project Communication and Management	Lump Sum	\$5,00 <u>0</u>
2	Right-of-Way Permits and Coordination	Lump Sum	\$7,500
3	60% Draft Design	Lump Sum	\$22,200
4	95% Final Draft and Final Design	Lump Sum	\$21,200
Desig	n Phase Services Subtotal:		\$55,900

C. Reimbursable Expense Schedule N/A

D. Contract Time shall be <u>220</u> calendar days from the date of the OWNERS signature on Attachment III. Design phase services shall be completed and accepted by the OWNER by (DATE). If design phase services have not been completed and accepted by the ENGINEER shall pay the OWNER liquidated damages as outlined in the Agreement.
2. Compensation for ENGINEERING SERVICES During the Design Phase shall be by the
<b>LUMP SUM</b> method of payment. The total amount of compensation for ENGINEERING SERVICES During the Design Phase, as described, including reimbursable expenses shall not exceed \$55,900, excluding gross receipt tax.
STANDARD HOURLY RATE WITH MAXIMUM method of payment. The total amount of nourly charges, including reimbursables, for ENGINEERING SERVICES During the Design Phase, as described, shall not exceed \$, excluding gross receipt tax, without prior written approval of the OWNER, with Funding Agency concurrence.
3. The amount of compensation shall not change unless the scope of services to be provided by the ENGINEER changes and this Agreement is formally amended according to Section A-5.

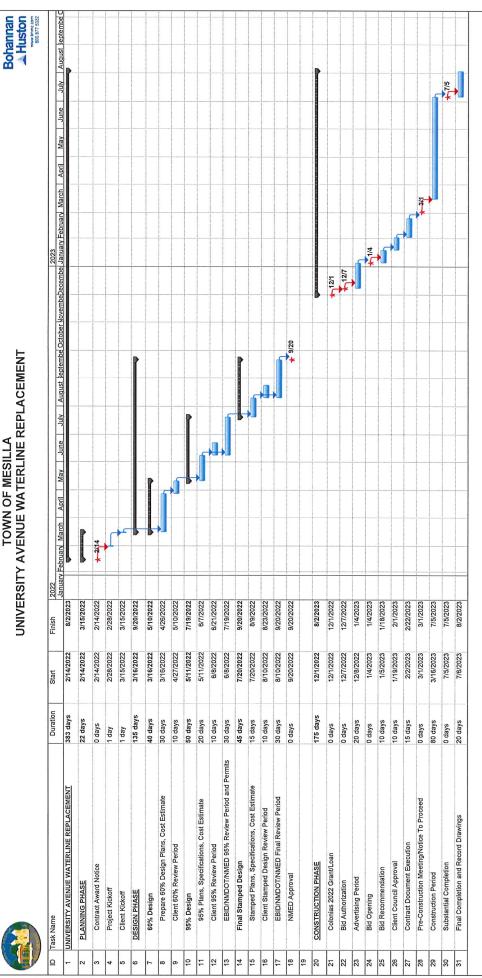
#### 4. Signatures

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date of the signature by the required approval authorities below.

By:		Date:
,	OWNER	
	Type Name Nora L. Barraza	
	Title Mayor	
	Aland .	Date: //28/2022
Ву: 📝		Date:
	ĖNGINEER	
	Type Name Matthew R. Thompson,	<u>PE</u>
Title	Senior Vice President	
Addres	s 425 S. Telshor Blvd.	
	Suite C-103	
	Las Cruces, NM 88011	
3E\/IE	WED AND APPROVED: FUNDING	AGENCY
		/ CENT
AGEN	CY NAME:	
Зу		
Type N	lame	
Date		



# TOWN OF MESILLA UNIVERSITY AVENUE WATERLINE REPLACEMENT



Page 1

Updated: Fri 1/28/22

#### **BOARD ACTION FORM**

#### ITEM:

Resolution No. 2022-01 authorizing and approving submission of a completed Colonias application

#### **BACKGROUND:**

This resolution approving submission of the completed Application to the Authority for its consideration and review is required as part of the Application process

#### **SUPPORTING INFORMATION:**

Resolution No. 2021-13 Designating The Town of Mesilla as a "Colonia"

#### **BOT OPTIONS:**

- 1. Approve the application.
- 2. Modify the application with conditions.
- 3. Reject the application.



#### **RESOLUTION NO. 2022-01**

# AUTHORIZING AND APPROVING SUBMISSION OF A COMPLETED APPLICATION FOR FINANCIAL ASSISTANCE AND PROJECT APPROVAL TO THE NEW MEXICO FINANCE AUTHORITY FOR THE COLONIAS INFRASTRUCTURE FUND

WHEREAS, the Town of Mesilla is a qualified entity under the New Mexico Finance Authority Colonias Infrastructure Act, Sections 6-30-1 through 6-30-8, NMSA 1978 ("Act"), and the Town of Mesilla is authorized to borrow funds and/or issue bonds for financing of public projects for benefit of the Town, and

WHEREAS, the New Mexico Finance Authority ("Authority") has instituted a program for financing of projects from the Colonias Infrastructure fund created under the Act and has developed an application procedure whereby the Governing Body may submit applications for financial assistance from the Authority for public projects, and

WHEREAS, adequate basic infrastructure such as water and wastewater systems, solid waste disposal facilities, flood and drainage control, roads and housing are essential to improved health, safety and welfare of those residents of the Colonias communities, and

WHEREAS, the Town of Mesilla intends to undertake design, construction and improvements of the University Waterline Replacement Project ("Project") for the benefit of the Town of Mesilla citizens; and

WHEREAS, the application prescribed by the Authority has been completed and submitted to the Governing Body and this resolution approving submission of the completed Application to the Authority for its consideration and review is required as part of the Application process;

# NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE TOWN OF MESILLA:

**Section 1**. That all actions (not inconsistent with the provision herein) heretofore taken by the Governing body, and the officers and employees thereof directed toward the Application and the Project, be and the same is hereby ratified, approved and confirmed,

**Section 2**. That the submission of the application requesting funding from the Colonias Infrastructure Fund, be and the same is hereby approved and confirmed,

**Section 3.** That the officers and employees of the Governing Body are hereby directed and requested to submit the completed application to the Authority for its review and are further authorized to take such other action as may be requested by the Authority in its consideration and review of the application and to further proceed with arrangements for financing the projects.

**BE IT FURTHER RESOLVED,** that the Public Works Director is hereby designated as the Town of Mesilla representative to act on behalf of this application.

PASSED, APPROVED AND ADOPTED by the Board of Trustees at its regular meeting of February 14, 2022.

Nora L. Barraza Mayor	

Deputy Town Clerk-Treasurer

Gloria Maya

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# **Community Projects Report**

Project	Description
Current Contact information	Dorothy Sellers Email: DorothyS@mesillanm.gov Work: 575-524-3262 Cell:575-571-3890
Promote Mesilla and area businesses	Will propose another Mesilla Night Out for March.  We can run advertisement once more to promote spending a night in Mesilla
Visitors Guide	Working with TuMedia on the creation and distribution of the 2022 Mesilla Visitors Guide.  Distribution is slated for April.
Calendar of events	Calendar of events is is created. Have not been able to hand deliver but plan to in Feb.
Social Media and website	Keep social media up to date with things happening in Mesilla. Will continue to push visitors to the website. Mesilla website is now visible on Google search.
Mercado	Workshop visits are planned for January to ensure vendors are meeting the requirements to sell at Mercado. Reviewing new applications for the upcoming Fiscal Year
Clean & Beautiful Grant	Town of Mesilla has been awarded \$6,686.56 for FY22. The award includes two community cleanup events. New trash cans for the Town Hall Parking Lot. Promotional items to be given at fiestas and youth interns to man booths at the fiestas.

The media push of our video and banner is set to
resume. Working with NM CoOp to update
branding on video and banner. Application has
been submitted. Mesilla was granted a 2:1
match offer.

# TOWN OF MESILLA FIRE DEPARTMENT MONTHLY BOT REPORT

DATE:

January 2022



MAJOR	<b>ADDIT</b>	IONS	TO IN	/ENTORY

Angle grinder for Engine 32

#### MAINTENANCE OF EQUIPMENT

Squad 32 block heater to be replaced, part on order. Battery cables and terminals on Squad 32 cleaned and tightened. Curb side door lock repaired. 5 pagers repaired and placed back in service.

#### **COMMENTS**

COVID once again interfered with operations. 3 personnel tested positive which resulted in exposure to 10 personnel. Those personnel were tested and all came back negative however they did not respond on calls until test results came back. Additionally no overnitght shifts were conducted for 10 days. This is reflected in a lower number of hours that volunteers put in for the month. All personnel have since recovered and operations are back to modified normal. No calls were missed during this period thanks to on call personnel.

We have begun testing and interviewing for new volunteers with 12 applications being

received. Training will begin in Feburary pending background checks.

Three pesonnel have begun EMT Basic classes at DACC. We also have personnel awaiting to take their registry tests to become state licensed.

**SUBMITTED BY** 

Fire Chief Kevin Hobar

Kevin MJ Hoban

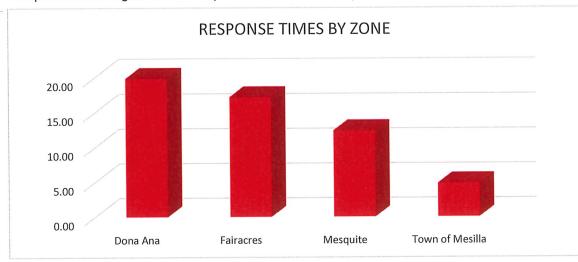
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Mesilla, NM

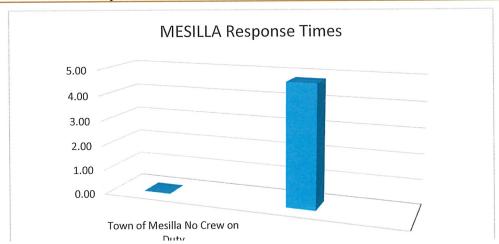
This report was generated on 02/06/2022



Response Mode: Lights and Sirens | Start Date: 01/01/2022 | End Date: 01/31/2022



Zone	AVERAGE RESPONSE TIME (in minutes)
Dona Ana	19.88
Fairacres	17.19
Mesquite	12.37
Town of Mesilla	4.8
Town of Mesilla No Crew on Duty	NA
Town of Mesilla Crew on Duty	4.80



Mesilla, NM

This report was generated on 2/6/2022 3:01:46 PM



EVENT	DATE	EVENT NAME	CATEGORY	LOCATION	HOURS	PARTICIPANTS
TYPE						
Administration Shift	on Shift					
	01/02/2022	Administration Shift	Administrative	Teleworking	4	Crystal Davis-Whited, Trevor Frietze, Gregory Whited
	01/07/2022	Administrative Shift	Administrative	Fire House 31	7.25	Harry Evans
	7		Total Hours for Ac	Total Hours for Administration Shift:	11.25	
<b>EMS Event</b>						
	01/07/2022	EMS Stand-By	EMS Stand By	Firehouse 31	ന	Tyler Brown, Harry Evans, Humberto Fernandez III, Trevor Frietze, Kevin Hoban, George Klebansky, Xavier Sanchez, Joseph Torres
			Total Ho	Total Hours for EMS Event:	3	
Prevention Event	event					
	01/14/2022	Acton Academy Fire Safety Day	Prevention Event	Acton Academy	4.5	Tabitha Rossman, Xavier Sanchez, Gregory Whited, Jasha Zapien
			Total Hours fo	Total Hours for Prevention Event:	4.5	
<b>EMS Division Shift</b>	n Shift					
	01/25/2022	A shift	Shifts	Mesilla Fire Department	12.5	Alexander Aguilar
			Total Hours for	Total Hours for EMS Division Shift:	12.5	
Daily Operations Shift	lions Shift					
	01/25/2022	A-Shift	Shifts	Firehouse 31	14	Alexander Aguilar, Michael Dove, Gabriel Franco, Sebastian Linares-Chacon, Gabriel Rodriguez
	01/26/2022	B Shift	Shifts	Station 31	8.75	



Only LOCKED events included.

EVENT	DATE	EVENT NAME	CATEGORY	LOCATION	HOURS	PARTICIPANTS
	01/31/2022	A-Shift	Shifts	Firehouse 31	80	Melina Gaytan, Joseph Torres
			Total Hours for Dail	Fotal Hours for Daily Operations Shift:	30.75	

Total Hours for Daily Operations Shift:

emergencyreporting.com Doc Id: 753 Page # 2 of 2

Only LOCKED events included.

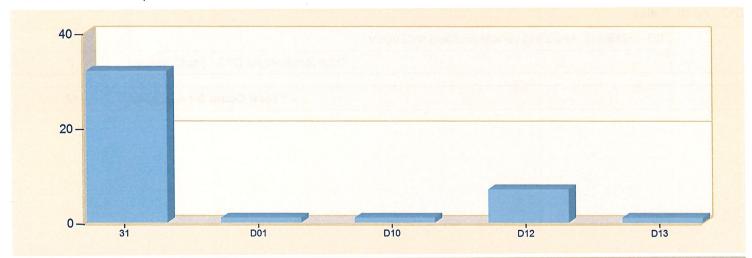
Mesilla, NM

This report was generated on 2/6/2022 2:57:27 PM



#### Incident Type Count per Zone for Date Range

Start Date: 01/01/2022 | End Date: 01/31/2022



ZONES	INCIDENT TYPE	COUNT
31 - Town o	f Mesilla	
	142 - Brush or brush-and-grass mixture fire	1
	311 - Medical assist, assist EMS crew	2
	321 - EMS call, excluding vehicle accident with injury	18
	381 - Rescue or EMS standby	1
	400 - Hazardous condition, other	1
	412 - Gas leak (natural gas or LPG)	1
	522 - Water or steam leak	1
	554 - Assist invalid	3
	561 - Unauthorized burning	1
	611 - Dispatched & cancelled en route	1
	735 - Alarm system sounded due to malfunction	1
	743 - Smoke detector activation, no fire - unintentional	1
	Total Incidents for 31 - Town of Mesilla:	32
D01 - Dona	Ana	
	142 - Brush or brush-and-grass mixture fire	1
	Total Incidents for D01 - Dona Ana:	1
D10 - Mesc	uite	
	650 - Steam, other gas mistaken for smoke, other	1
	Total Incidents for D10 - Mesquite:	1

Zone information is defined on the Basic Info 3 screen of an incident. Only REVIEWED incidents included.



ZONES	INCIDENT TYPE	COUNT
	321 - EMS call, excluding vehicle accident with injury	2
	322 - Motor vehicle accident with injuries	3
	324 - Motor vehicle accident with no injuries.	2
	Total Incidents for D12 - Fairacres:	7
013 - Sout	ı Valley	
	321 - EMS call, excluding vehicle accident with injury	1
	Total Incidents for D13 - South Valley:	1
	Total Count for all Zone:	42



Mesilla, NM

This report was generated on 2/6/2022 2:40:53 PM



#### **Incident Statistics**

Zone(s): All Zones | Start Date: 01/01/2022 | End Date: 01/31/2022

	INCIDE	NT COUNT	
INCIDENT	TYPE	# INCID	DENTS
EMS		2	9
FIRE		1	3
TOTA		4	2
	TOTAL TRANSF	PORTS (N2 and N3)	
APPARATUS	# of APPARATUS TRANSPORTS	# of PATIENT TRANSPORTS	TOTAL # of PATIENT CONTACTS
Bat31	0	0	14
Bat32	0	0	1
SQ32	1	1	4
TOTAL	1	1	19
PRE-INCIDEN	IT VALUE	LOS	SES
\$0.00	)	\$0	.00
	COC	CHECKS	
TOTA	L		
	MUTUAL AI	D	
Aid Ty	pe	То	tal
Aid Giv	en		9
Aid Rece	ived		2
	OVERLAF	PPING CALLS	
# OVERLA	PPING	% OVER	LAPPING
2		4.	76
LIGHTS	S AND SIREN - AVERAGE F	RESPONSE TIME (Dispatch to A	rival)
Station		EMS	FIRE
Mesilla Fire Main Station 3	1 0:	08:49	0:10:45
	AVER	AGE FOR ALL CALLS	0:09:23
LIGHTS	S AND SIREN - AVERAGE	TURNOUT TIME (Dispatch to Enr	oute)
Station		EMS	FIRE
Mesilla Fire Main Station 3	1 0:	02:00	0:02:33
		AGE FOR ALL CALLS	0:02:08
AGEN			N SCENE (MM:SS)
Mesilla Fire D			:54

Only Reviewed Incidents included. EMS for Incident counts includes only 300 to 399 Incident Types. All other incident types are counted as FIRE. CO Checks only includes Incident Types: 424, 736 and 734. # Apparatus Transports = # of incidents where apparatus transported. # Patient Transports = All patients transported by EMS. # Patient Contacts = # of PCR contacted by apparatus. This report now returns both NEMSIS 2 & 3 data as appropriate. For overlapping calls that span over multiple days, total per month will not equal Total count for year.



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Mesilla, NM

This report was generated on 2/6/2022 2:59:35 PM

# Maintenance History per Hydrant for Date Range

Start Date: 01/01/2022 | End Date: 01/31/2022

DATE	DONE BY	TITLE	PROBLEM	RESOLUTION	TIME (hrs)	COST	STATUS
<b>Hydrant Numb</b>	per 131 - 2501 Calle I	lydrant Number 131 - 2501 Calle Del Oeste Mesilla, NM					
01/22/2022		repair	Stem is unscrewing from hydrant				Pending
				TOTAL		₩	

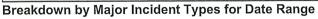
EMERCENCY
EMERGENCY
emergencyreporting.com
Doc Id: 1246
Page # 1 of 1

Report displays active Hydrant work orders for date requested within the date parameter selected. Problem and resolution is generated from Description field of the work order.

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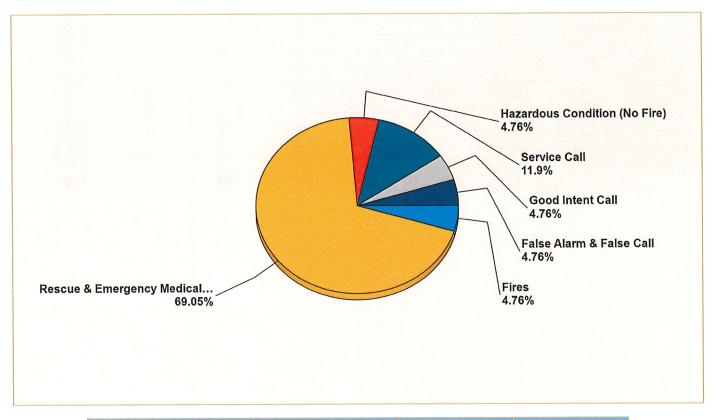
Mesilla, NM

This report was generated on 2/6/2022 3:05:38 PM



Zone(s): All Zones | Start Date: 01/01/2022 | End Date: 01/31/2022





MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	2	4.76%
Rescue & Emergency Medical Service	29	69.05%
Hazardous Condition (No Fire)	2	4.76%
Service Call	5	11.9%
Good Intent Call	2	4.76%
False Alarm & False Call	2	4.76%
TOTAL	42	100%

Detailed Breakdown by Incider	nt Type	
INCIDENT TYPE	# INCIDENTS	% of TOTAL
142 - Brush or brush-and-grass mixture fire	2	4.76%
311 - Medical assist, assist EMS crew	2	4.76%
321 - EMS call, excluding vehicle accident with injury	21	50%
322 - Motor vehicle accident with injuries	3	7.14%
324 - Motor vehicle accident with no injuries.	2	4.76%
381 - Rescue or EMS standby	1	2.38%
400 - Hazardous condition, other	1	2.38%
412 - Gas leak (natural gas or LPG)	1	2.38%
522 - Water or steam leak	1	2.38%
554 - Assist invalid	3	7.14%
561 - Unauthorized burning	1	2.38%
611 - Dispatched & cancelled en route	1	2.38%
650 - Steam, other gas mistaken for smoke, other	1	2.38%
735 - Alarm system sounded due to malfunction	1	2.38%
743 - Smoke detector activation, no fire - unintentional	1	2.38%
TOTAL INCIDENTS:	42	100%



Mesilla, NM

This report was generated on 2/6/2022 3:04:24 PM

#### Occupancies Inspected for Date Range

Start Date: 01/01/2022 | End Date: 01/31/2022



OCCUPANCY	ID	ADDRESS	ZONE	LAST INSPECTION
Town of Mesilla Community Center	25	2251 Calle De Santiago		01/21/2022

# of Occupancies Inspected: 1 % Occupancies Inspected: 0.58



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Mesilla, NM

This report was generated on 2/6/2022 3:00:30 PM



Response Activity Report

Start Date: 01/01/2022 | End Date: 01/31/2022

INCIDENT #	DATE	APPARATUS ID	ALARM TIME	ARRIVE TIME	RESPONSE TIME	ADDRESS
142 - Brush or	brush-and-	grass mixture fire				
2022-00034	01/21/2022	Bat32	18:30:00	19:10:24	00:40:24	3930 LOST LN
2022-00034	01/21/2022	BR31	18:30:00	19:17:22	00:47:22	3930 LOST LN
2022-00041	01/30/2022	Bat32	12:07:09	12:13:46	00:06:37	3025 MCDOWELL RD
Subtotal Count:	3	142 - Brus	h or brush-and-gra	ss mixture fire   Aver	age Response Time:	00:31:27
11 - Medical	assist, assis	t EMS crew				
2022-00025	01/14/2022	Bat31	19:38:47	19:52:00	00:13:13	1140 CALLE DE EL PASO
2022-00027	01/15/2022	Bat31	01:08:39	01:19:49	00:11:10	2171 CALLE DE PARIAN
Subtotal Count:			- Medical assist, as	sist EMS crew   Aver	age Response Time:	00:12:11
		vehicle accident w				
2022-00001	01/01/2022	Bat31	10:07:09	10:23:14	00:16:05	2060 CALLE DEL NORTE
2022-00001	01/01/2022	Bat31	16:32:51	16:37:20	00:04:29	2380 CALLE PRINCIPAL
	01/01/2022	Bat32	16:32:51	16:46:51	00:14:00	2380 CALLE PRINCIPAL
2022-00002	01/04/2022	Bat31	07:51:18	08:10:14	00:18:56	2880 CALLE DE SAN ALBINO
2022-00007		SQ32	07:51:18	08:07:30	00:16:12	2880 CALLE DE SAN ALBINO
2022-00007	01/04/2022		09:01:44	09:08:25	00:06:41	313 CAPRI ARC
2022-00008		Bat31		09:08:34	00:06:50	313 CAPRI ARC
2022-00008	01/05/2022	Bat32	09:01:44		00:05:53	2170 CALLE DEL ARROYO
2022-00010	01/05/2022	Bat31	13:31:46	13:37:39	00:03:93	2825 TERESITA ST
2022-00014	01/07/2022	Bat31	23:01:00	23:08:06		
2022-00014	01/07/2022	Bat32	23:01:00	23:07:21	00:06:21	2825 TERESITA ST
2022-00014	01/07/2022	SQ32	23:01:00	23:09:35	00:08:35	2825 TERESITA ST
2022-00016	01/10/2022	Bat31	08:14:38	08:32:18	00:17:40	2170 CALLE DEL ARROYO
2022-00016	01/10/2022	Bat32	08:14:38	08:28:19	00:13:41	2170 CALLE DEL ARROYO
2022-00016	01/10/2022	BR31	08:14:38	08:27:35	00:12:57	2170 CALLE DEL ARROYO
2022-00017	01/10/2022	Bat31	14:24:42	14:36:06	00:11:24	1300 W UNIVERSITY AVE
2022-00017	01/10/2022	Bat32	14:24:42	14:35:30	00:10:48	1300 W UNIVERSITY AVE
2022-00017	01/10/2022	SQ32	14:24:42	14:36:11	00:11:29	1300 W UNIVERSITY AVE
2022-00019	01/11/2022	Bat31	08:28:03	08:46:47	00:18:44	525 WATSON LN
2022-00019	01/11/2022	Bat32	08:28:03	08:45:01	00:16:58	525 WATSON LN
2022-00022	01/13/2022	Bat31	03:06:51	03:19:35	00:12:44	2691 CALLE DE PRINCIPAL
2022-00022	01/13/2022	BR31	03:06:51	03:13:17	00:06:26	2691 CALLE DE PRINCIPAL
2022-00024	01/13/2022	Bat31	09:31:17	09:41:57	00:10:40	1300 W UNIVERSITY AVE
2022-00026	01/14/2022	Bat31	20:41:47	20:45:43	00:03:56	1891 AVENIDA DE MESILLA
2022-00029	01/18/2022	Bat31	13:32:11	14:09:11	00:37:00	10130 TUSCANY DR
2022-00029	01/18/2022	SQ32	13:32:11	14:09:11	00:37:00	10130 TUSCANY DR
2022-00030	01/18/2022	Bat31	16:17:18	16:28:09	00:10:51	1300 W UNIVERSITY AVE
2022-00030	01/18/2022	SQ32	16:17:18	16:27:03	00:09:45	1300 W UNIVERSITY AVE
2022-00031	01/19/2022	Bat31	16:41:31	17:07:22	00:25:51	8175 CONSTITUTION RD
2022-00031	01/19/2022	SQ32	16:41:31	17:07:22	00:25:51	8175 CONSTITUTION RD

Calls by Incident Type. Does not include calls where there was no response.



2022-00035	01/21/2022	Bat31	21:10:00	21:25:02	00:15:02	2516 CALLE DE CURA
2022-00035	01/21/2022	Bat32	21:10:00	21:18:39	00:08:39	2516 CALLE DE CURA
2022-00035	01/21/2022	SQ32	21:10:00	21:18:41	00:08:41	2516 CALLE DE CURA
2022-00036	01/24/2022	Bat32	20:22:57	20:32:03	00:09:06	2920 AVENIDA DE MESILLA
2022-00038	01/27/2022	Bat31	07:40:45	07:56:48	00:16:03	1982 CALLE DE COLON
2022-00038	01/27/2022	Bat32	07:40:45	07:51:37	00:10:52	1982 CALLE DE COLON
2022-00039	01/29/2022	Bat31	14:05:35	14:21:20	00:15:45	2184 AVENIDA DE MESILLA
2022-00039	01/29/2022	Bat32	14:05:35	14:12:09	00:06:34	2184 AVENIDA DE MESILLA
2022-00039	01/29/2022	E32	14:05:35	14:14:54	00:09:19	2184 AVENIDA DE MESILLA
2022-00039	01/29/2022	SQ32	14:05:35	14:14:18	00:08:43	2184 AVENIDA DE MESILLA
2022-00040	01/29/2022	Bat31	19:00:57	19:06:19	00:05:22	2790 AVENIDA DE MESILLA
2022-00040	01/29/2022	Bat32	19:00:57	19:06:19	00:05:22	2790 AVENIDA DE MESILLA
2022-00040	01/29/2022	SQ32	19:00:57	19:09:04	00:08:07	2790 AVENIDA DE MESILLA
2022-00042	01/30/2022	Bat31	13:34:51	13:44:13	00:09:22	2122 CALLE DE ARROYO
2022-00042	01/30/2022	BR31	13:34:51	13:44:13	00:09:22	2122 CALLE DE ARROYO
2022-00042	01/30/2022	SQ32	13:34:51	13:40:32	00:05:41	2122 CALLE DE ARROYO
Subtotal Count:	45	321 - EMS call, exc	luding vehicle accide	ent with injury   Aver	rage Response Time:	00:12:22
322 - Motor ve	hicle acciden	nt with injuries				
2022-00004	01/02/2022	Bat32	06:46:52	07:12:08	00:25:16	118 INTERSTATE 10
2022-00013	01/07/2022	Bat32	21:00:19	21:25:02	00:24:43	115 INTERSTATE 10
2022-00021	01/12/2022	Bat31	11:41:19	12:00:11	00:18:52	123 INTERSTATE 10
Subtotal Count:	3	322 - N	lotor vehicle acciden	t with injuries   Aver	rage Response Time:	
324 - Motor ve	hicle acciden	nt with no injurie	SECTION AND DESCRIPTION OF THE PERSON OF THE			
2022-00006	01/03/2022	Bat31	15:00:58	15:24:00	00:23:02	116 INTERSTATE 10
2022-00018	01/10/2022	Bat32	14:53:46	15:05:09	00:11:23	W PICACHO AVE
Subtotal Count:					rage Response Time:	
381 - Rescue	or FMS stand				and the second second	
2022-00037	01/26/2022	Bat31	14:55:56	15:10:11	00:14:45	2670 CALLE DE PARIAN
Subtotal Count:		Dato	14:55:56	15:10:11	00:14:15	26/0 CALLE DE PARIAN
			204 December 24	EMC standbul Assa	D Ti	00:44:45
AUII - Hazardo			381 - Rescue or	EMS standby   Aver	rage Response Time:	00:14:15
	us condition,	other	381 - Rescue or	EMS standby   Aver	rage Response Time:	00:14:15
2022-00015	01/09/2022	other Bat31	381 - Rescue or 15:00:28	EMS standby   Aver	rage Response Time: 00:08:04	00:14:15 2550 CALLE DE SAN ALBINO
	01/09/2022		15:00:28	15:08:32		2550 CALLE DE SAN ALBINO
2022-00015	01/09/2022	Bat31	15:00:28	15:08:32	00:08:04	2550 CALLE DE SAN ALBINO
2022-00015 Subtotal Count:	01/09/2022	Bat31	15:00:28	15:08:32	00:08:04	2550 CALLE DE SAN ALBINO
2022-00015 Subtotal Count: 412 - Gas leak	01/09/2022 1 (natural gas	Bat31	15:00:28 <b>400 - Hazardous co</b>	15:08:32 Indition, other   Aver	00:08:04 rage Response Time:	2550 CALLE DE SAN ALBINO 00:08:04
2022-00015  Subtotal Count:  412 - Gas leak  2022-00020	01/09/2022 1 3 (natural gas 01/11/2022 01/11/2022	Bat31  or LPG)  Bat31  Bat32	15:00:28 <b>400 - Hazardous co</b> 15:39:47 15:39:47	15:08:32 Indition, other   Aver 15:41:47 15:48:47	00:08:04 rage Response Time: 00:02:00	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE
2022-00015  Subtotal Count:  412 - Gas leak  2022-00020  2022-00020	01/09/2022 1 3 (natural gas 01/11/2022 01/11/2022 2	Bat31  or LPG)  Bat31  Bat32	15:00:28 <b>400 - Hazardous co</b> 15:39:47 15:39:47	15:08:32 Indition, other   Aver 15:41:47 15:48:47	00:08:04 rage Response Time: 00:02:00 00:09:00	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE
2022-00015  Subtotal Count:  412 - Gas leak  2022-00020  2022-00020  Subtotal Count:	01/09/2022 1 3 (natural gas 01/11/2022 01/11/2022 2	Bat31  or LPG)  Bat31  Bat32	15:00:28 <b>400 - Hazardous co</b> 15:39:47 15:39:47	15:08:32 Indition, other   Aver 15:41:47 15:48:47	00:08:04 rage Response Time: 00:02:00 00:09:00	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE
2022-00015  Subtotal Count:  412 - Gas leak 2022-00020 2022-00020  Subtotal Count:  522 - Water or	01/09/2022 1 (natural gas 01/11/2022 01/11/2022 2 steam leak	Bat31  or LPG)  Bat31  Bat32	15:00:28  400 - Hazardous co  15:39:47  15:39:47  412 - Gas leak (natura	15:08:32 Indition, other   Aver 15:41:47 15:48:47 al gas or LPG)   Aver	00:08:04  rage Response Time:  00:02:00  00:09:00  rage Response Time:	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE 00:05:30
2022-00015  Subtotal Count:  412 - Gas leak  2022-00020  2022-00020  Subtotal Count:  522 - Water or  2022-00009	01/09/2022 1 (natural gas 01/11/2022 01/11/2022 2 steam leak 01/05/2022 01/05/2022	Bat31  or LPG)  Bat31  Bat32	15:00:28  400 - Hazardous co  15:39:47 15:39:47 412 - Gas leak (natural  10:13:53 10:13:53	15:08:32 Indition, other   Aver 15:41:47 15:48:47 Id gas or LPG)   Aver 10:20:40 10:20:40	00:08:04 rage Response Time:  00:02:00  00:09:00 rage Response Time:  00:06:47	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE 00:05:30  2130 CALLE DE PICACHO 2130 CALLE DE PICACHO
2022-00015  Subtotal Count:  412 - Gas leak 2022-00020 2022-00020  Subtotal Count:  522 - Water or 2022-00009 2022-00009 Subtotal Count:	01/09/2022 1 (natural gas 01/11/2022 01/11/2022 2 steam leak 01/05/2022 01/05/2022 2	Bat31  or LPG)  Bat31  Bat32	15:00:28  400 - Hazardous co  15:39:47 15:39:47 412 - Gas leak (natural  10:13:53 10:13:53	15:08:32 Indition, other   Aver 15:41:47 15:48:47 Id gas or LPG)   Aver 10:20:40 10:20:40	00:08:04 rage Response Time:  00:02:00 00:09:00 rage Response Time:  00:06:47 00:06:47	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE 00:05:30  2130 CALLE DE PICACHO 2130 CALLE DE PICACHO
2022-00015  Subtotal Count:  412 - Gas leak 2022-00020 2022-00020  Subtotal Count:  522 - Water or 2022-00009 2022-00009 Subtotal Count:  554 - Assist in	01/09/2022 1 (natural gas 01/11/2022 01/11/2022 2 steam leak 01/05/2022 01/05/2022 2 valid	Bat31  Bat32  Bat31  Bat31  Bat32	15:00:28  400 - Hazardous co  15:39:47  15:39:47  412 - Gas leak (natural  10:13:53  10:13:53  522 - Water	15:08:32 Indition, other   Aver 15:41:47 15:48:47 Is gas or LPG)   Aver 10:20:40 10:20:40 or steam leak   Aver	00:08:04 rage Response Time:  00:02:00 00:09:00 rage Response Time:  00:06:47 00:06:47 rage Response Time:	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE 00:05:30  2130 CALLE DE PICACHO 2130 CALLE DE PICACHO 00:06:47
2022-00015  Subtotal Count:  412 - Gas leak 2022-00020 2022-00020  Subtotal Count:  522 - Water or 2022-00009 2022-00009 Subtotal Count:  554 - Assist in 2022-00003	01/09/2022 1 (natural gas 01/11/2022 01/11/2022 2 steam leak 01/05/2022 01/05/2022 2 valid 01/02/2022	Bat31  Bat32  Bat31  Bat32  Bat31  Bat32	15:00:28  400 - Hazardous co  15:39:47  15:39:47  412 - Gas leak (natura  10:13:53  10:13:53  522 - Water  03:22:26	15:08:32 Indition, other   Aver  15:41:47 15:48:47 Id gas or LPG)   Aver  10:20:40 10:20:40 or steam leak   Aver	00:08:04 rage Response Time:  00:02:00 00:09:00 rage Response Time:  00:06:47 00:06:47 rage Response Time:	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE 00:05:30  2130 CALLE DE PICACHO 2130 CALLE DE PICACHO 00:06:47
2022-00015  Subtotal Count:  412 - Gas leak 2022-00020 2022-00020  Subtotal Count:  522 - Water or 2022-00009 2022-00009 Subtotal Count:  554 - Assist in	01/09/2022 1 (natural gas 01/11/2022 01/11/2022 2 steam leak 01/05/2022 01/05/2022 2 valid	Bat31  Bat32  Bat31  Bat31  Bat32	15:00:28  400 - Hazardous co  15:39:47  15:39:47  412 - Gas leak (natural  10:13:53  10:13:53  522 - Water	15:08:32 Indition, other   Aver 15:41:47 15:48:47 Is gas or LPG)   Aver 10:20:40 10:20:40 or steam leak   Aver	00:08:04 rage Response Time:  00:02:00 00:09:00 rage Response Time:  00:06:47 00:06:47 rage Response Time:	2550 CALLE DE SAN ALBINO 00:08:04  2641 CALLE DE GUADALUPE 2641 CALLE DE GUADALUPE 00:05:30  2130 CALLE DE PICACHO 2130 CALLE DE PICACHO 00:06:47



2022-00012	01/06/2022	Bat32	18:38:42	18:38:42	00:00:00	2825 TERESITA ST
Subtotal Count:	5		554 -	Assist invalid   Ave	age Response Time:	00:08:07
561 - Unautho	rized burning					
2022-00032	01/19/2022	Bat31	21:29:20	21:50:56	00:21:36	2531 AVENIDA DE MESILLA
2022-00032	01/19/2022	Bat32	21:29:20	21:39:45	00:10:25	2531 AVENIDA DE MESILLA
2022-00032	01/19/2022	SQ32	21:29:20	21:54:15	00:24:55	2531 AVENIDA DE MESILLA
Subtotal Count:	3		561 - Unauth	orized burning   Ave	rage Response Time:	00:18:58
650 - Steam, c	other gas mis	taken for smoke,	other			
2022-00028	01/15/2022	Bat31	07:33:49	08:04:15	00:30:26	148 INTERSTATE 10
Subtotal Count:	1	650 - Steam, otl	ner gas mistaken fo	r smoke, other   Ave	rage Response Time:	00:30:26
735 - Alarm sy	ystem sounde	ed due to malfund	ction			
2022-00005	01/02/2022	Bat31	12:19:07	12:35:00	00:15:53	2340 CALLE PRINCIPAL
2022-00005	01/02/2022	Bat32	12:19:07	12:26:13	00:07:06	2340 CALLE PRINCIPAL
Subtotal Count:	2	735 - Alarm sy	stem sounded due	to malfunction   Ave	rage Response Time:	00:11:29
743 - Smoke d	detector activ	ation, no fire - un	intentional			
2022-00033	01/20/2022	Bat31	08:40:02	08:46:32	00:06:30	2330 CALLE DE SANTIAGO
Subtotal Count:	1	743 - Smoke detecto	r activation, no fire	- unintentional   Ave	rage Response Time:	00:06:30

**Grand Total: 73** 

Average Response Time for All Incident Types: 00:13:28



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Mesilla, NM

This report was generated on 2/6/2022 2:42:59 PM



Count of Classes by Personnel by Class Category

Passed/Failed: Both Passed and Failed | Personnel: All Personnel | Start Date: 01/01/2022 | End Date: 01/31/2022

Class Category	Class Count	Total Class Hours
I.S.O. Hazardous Materials	1	3:00
Total for Aguilar, Alexander J	1	3:00
arguello, Katrina M		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	28:30
Total for Arguello, Katrina M	1	28:30
Brown, Tyler S		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	2	32:30
I.S.O. Driver and Operator Training	2	7:00
I.S.O. Hazardous Materials	1	3:00
Total for Brown, Tyler S	5	42:30
Davis-Whited, Crystal L		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	2	32:30
I.S.O. Driver and Operator Training	3	9:00
I.S.O. Hazardous Materials	1	3:00
Total for Davis-Whited, Crystal L	7	45:30
Embury, Andy G		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	4:00
I.S.O. Driver and Operator Training	1	4:00
Total for Embury, Andy G	2	8:00
Evans, Harry A		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	28:30
I.S.O. Driver and Operator Training	1	1:30
I.S.O. Hazardous Materials	1	3:00
Total for Evans, Harry A	3	33:00
Fernandez III, Humberto		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	2	32:30

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes. If "All Personnel" is selected, this report also includes non-agency Personnel. Only non-Archived Classes that have been Reviewed are included. This report pulls training hours from the Training Code Hours field on the Info Page.



I.S.O. Driver and Operator Training	1 terdinate	4:00
Total for Fernandez III, Humberto	4	37:30
Fernandez, Sergio A		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	2	32:30
I.S.O. Driver and Operator Training	1	4:00
Total for Fernandez, Sergio A	3	36:30
Franco, Gabriel Z		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	28:30
Total for Franco, Gabriel Z	1	28:30
Frietze, Trevor R		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	4:00
I.S.O. Driver and Operator Training	1	4:00
Total for Frietze, Trevor R	2	8:00
Gaytan, Melina A		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	28:30
I.S.O. Hazardous Materials	1	3:00
Total for Gaytan, Melina A	2	31:30
Hoban, Kevin M		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	1	4:00
I.S.O. Driver and Operator Training	1	4:00
I.S.O. Hazardous Materials	1	3:00
Total for Hoban, Kevin M	4	12:00
Klebansky, George A		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	1	28:30
I.S.O. Driver and Operator Training	1	3:00
I.S.O. Hazardous Materials	· 1	3:00
Total for Klebansky, George A	4	35:30
<u>_inares-Chacon, Sebastian</u>		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	4:00
Total for Linares-Chacon, Sebastian	1	4:00
Lucero, Sergio B		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes. If "All Personnel" is selected, this report also includes non-agency Personnel. Only non-Archived Classes that have been Reviewed are included. This report pulls training hours from the Training Code Hours field on the Info Page.



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I.S.O. Company Training	1	28:30
I.S.O. Driver and Operator Training	1	4:00
Total for Lucero, Sergio B	3	33:30
lartinez, Mateo L		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	28:30
Total for Martinez, Mateo L	1	28:30
Ortiz, Yvonne		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	2	32:30
Total for Ortiz, Yvonne	2	32:30
Rogers, Travis A		
Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	28:30
Total for Rogers, Travis A	1	28:30
Sanchez, Xavier		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	2	32:30
I.S.O. Driver and Operator Training	2	7:00
I.S.O. Hazardous Materials	1	3:00
Total for Sanchez, Xavier	6	43:30
orres, Joseph J		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	1	4:00
I.S.O. Driver and Operator Training	2	7:00
I.S.O. Hazardous Materials	1	3:00
Total for Torres, Joseph J	5	15:00
Whited, Gregory E		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	2	32:30
I.S.O. Driver and Operator Training	1	4:00
I.S.O. Hazardous Materials	1	3:00
Total for Whited, Gregory E	5	40:30
Zapien, Jasha C		
Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	2	32:30
I.S.O. Driver and Operator Training	2	7:00
1.5.0. Driver and Operator Training	_	

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes. If "All Personnel" is selected, this report also includes non-agency Personnel. Only non-Archived Classes that have been Reviewed are included. This report pulls training hours from the Training Code Hours field on the Info Page.



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### To: Honorable Mayor and Mesilla Board of Trustees

This is the Monthly Report for January 2022, for the Mesilla Marshal's Department:

911 hang ups	7	Harassment	2
Agency assist	21	Illegal dumping	1
ACO calls	18	Illegally parked vehicle	1
Auto burglary	2	Incorrigible child	1
Auto theft	3	Information report	13
Behavioral	1	Lost property	1
Burglary	3	Medical alarm	1
Burglary alarm	14	Motor Vehicle Crashes	5
Child abuse	2	Narcotics Obstruction	1
Civil	2		1
Codes	15	Out with subject	
CPR	2	Phone call	5
Disturbances	14	Prisoner Transport	9
Foot patrol	4	Public assist	1
•		Reckless driver	1
Found property	1	Runaway	1
Forgery/fraud	1	Shots fired	1
Frequent patrol	12	Subject w/gun	1
		Bubject wiguii	T

Supplement	16
Suicidal subject	2
Suspicious activity	15
Theft	1
Threats	1
Traffic complaint	1
Traffic control	1
Traffic stops	104
Trespassing	7
Vandalism/graffiti	1
Warrant service	2
Welfare check	14
Total # of calls for service	341
Thank you,	

Enrique Salas, Marshal



## **TOWN OF MESILLA**

#### Public Works Department

P.O. Box 10, Mesilla, New Mexico 88046 Office: (575) 524-3262 Fax: (575) 541-6327

#### MEMORANDUM

Date:

February 4, 2022

TO:

Mayor Barraza and Board of Trustees

FROM:

Rodney J. McGillivray, Public Works Director

RE:

Public Works Division Activity Report – January 2022

#### On-going maintenance, custodial and operations:

On-call/standby for emergency repairs or assistance
Meter reading continues
Monthly water sampling and reporting is up-to-date
Monitoring of water tank, wells, and pumps
New water services and water shut-offs (ownership change/nonpayment)
Monitoring of lift stations and review of reporting
Utility location services
Valve exercise program continues
Grounds maintenance on-going
Custodial responsibilities on-going
Vehicle maintenance on-going

#### Miscellaneous items/work orders/accomplishments:

Covid disinfectant fogging for Town Hall and Community Center Painting inside Community Center Placed gravel at San Albino / Avenida de Mesilla alley Replaced signage at McDowell Repaired fire hydrant on Paisano Removed tree branches and brush along easements on Calle de Cuarta Plaza brick repairs Replaced HVAC building filters (all buildings) Repaired Plaza drinking fountain Began weed eradication

#### Project update:

Calle del Norte Trail Phase II – Project on-hold pending NMDOT and IBWC approval. Project anticipated to bid in February. Project extension of time probable.

**SCADA** – Approved agreement transmitted to BHI. Design is underway.

Mesilla Water System Booster Replacement – Project drawings are 60% complete. Project on-hold pending approval from BLM. BLM indicated they would not review the permit application until spring of 2022. NMED has been notified.

Mesilla Streetlight Improvements – Project clearance letters and 90% design is complete. Project estimating underway.

Calle de Picacho: Awaiting proposal from MC for design services.

Plaza Sidewalk Refurbishment – Awaiting proposal from MC for design services.

Colonias - University Waterline Improvements – NOI complete. Application opened on January 27, 2022. Application underway. Requesting BHI proposal for design services to be approved by BOT on February 14, 2022.